

# **Parts Manual**



# Conquest

# **4WD Series Garden Tractors & Mower Decks**

## **23HP Product**

Mfg. No. Description

1695415 Conquest, 23HP B&S Hydro 4WD

2690679 Conquest, 23HP Hydro 4WD RMO and 50" Mower Deck

(CE/Export)

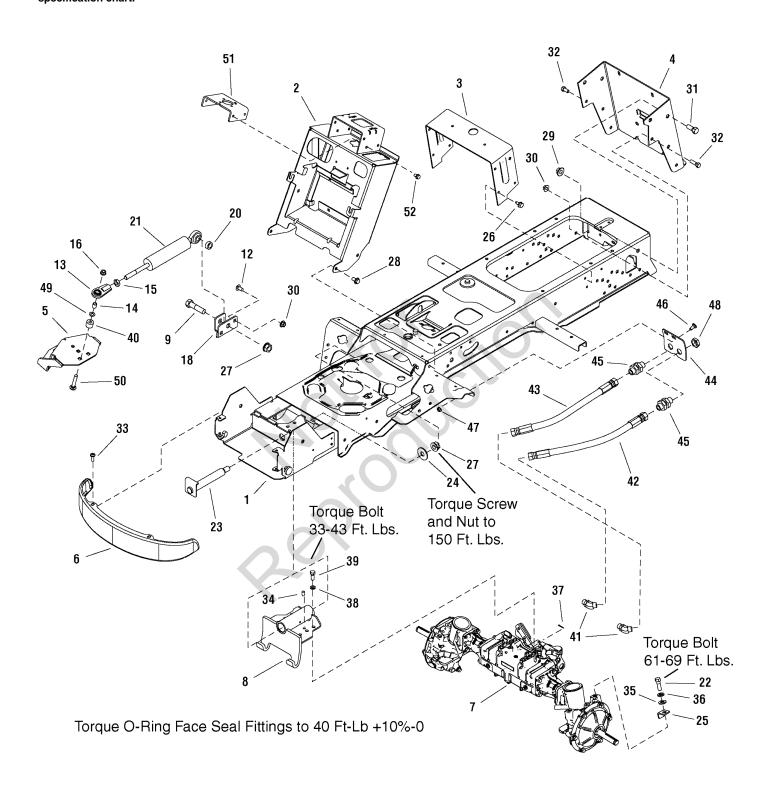
2690744 Conquest, 23HP Hydro 4WD RMO and 50" Mower Deck

#### **Mower Decks**

Mfg. No. Description 1695395 50" Mower Deck

> Part No.: 1735723 Rev. 11/2008 TP 400-4805-A-CQ-S

| PRODUCT COMPONENTS  | PAGES             |
|---|-------------------|
| Frame & Front Axle Group - 4WD                                    | 4                 |
| Power Steering & Hydraulic Lift Group                             |                   |
| Steering Group - Tilt Steering                                    |                   |
| Engine Group - 20HP, 22HP & 23HP Briggs & Stratton, Vanguard Twin |                   |
| Transmission Group  |                   |
| Controls Group  |                   |
| Cruise Control Group  | 20                |
| Electrical Group  | 22                |
| Hood, Grille & Dash Group   | 26                |
| Seat & Seat Deck Group  |                   |
| Lift Group - Manual Lift  |                   |
| Wheels & Tires Group  | 32                |
| Decals Group  |                   |
| 44" & 50" Mower Deck - Clutch & Support Group                     |                   |
| 50" Mower Deck - Height Adjustment & Roller Bar Group             |                   |
| 50" Mower Deck - Height Adjustment & Roller Bar Group             | 40                |
| 50" Mower Deck - Housing, Arbors & Blades Group                   | 44                |
| 50" Mower Deck - Housing, Arbors & Blades Group                   | 48                |
| Torque Specification Chart  | Inside Rack Cover |



#### The above parts group applies to the following Mfg. Nos.:

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# Frame & Front Axle Group - 4WD

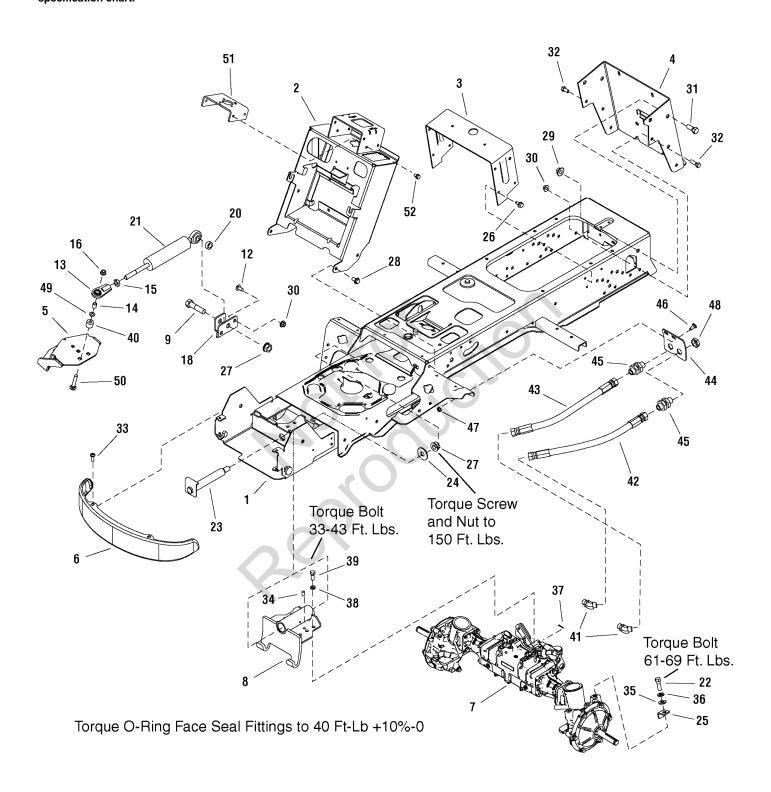
|        | x FIUIII Axie |      |  |
|--------|---------------|------|--|
| REF NO | PART NO.      | QTY. |  |
| 1      | 1734731ASM    | 1    | FRAME ASSEMBLY, Front & Rear 4WD                   |
| 2      | 1733139ASM    | 1    | TOWER & SUPPORT ASSEMBLY                           |
| 3      | 1723528ASM    | 1    | SUPPORT, Seat Deck                                 |
| 4      | 1722602ASM    | 1    | BACKPLATE, Hitch                                   |
| 5      | 1733918ASM    | 1    | BRACKET ASSEMBLY, Steering 4WD                     |
| 6      | 1721805ASM    | 1    | BUMPER, 4GA  |
| 7      | 1733480SM     | 1    | AXLE ASSEMBLY, Front                               |
| 8      | 1734241ASM    | 1    | PIVOT ASSEMBLY, Axle w/Bushings                    |
| 9      | 1960755SM     | 1    | CAPSCREW, Hex Head, 5/8-11 x 2-1/2 G5              |
| 12     | 1931348SM     | 2    | CARRIAGE BOLT, 3/9-16 x 3/4 G5                     |
| 13     | 1702779SM     | 1    | JOINT, Ball 1/2-20                                 |
| 14     | 1708236SM     | 1    | SPACER   |
| 15     | 1919262SM     | 1    | NUT, Hex Jam, 1/2-20                               |
| 16     | 1930645SM     | 1    | NUT, Hex Flange, 3/8-16 Two-Way Lock               |
| 18     | 1733166ASM    | 1    | BRACKET, Cylinder Mounting                         |
| 20     | 2172914SM     | 1    | SPACER   |
| 21     | 1733759SM     | 1    | CYLINDER, Hydraulic Steering                       |
| 22     | 197487SM      | 3    | CAPSCREW, Hex Head, M12-1-3/4 x 35                 |
| 23     | 1733863SM     | 1    | SHAFT & BRACKET ASSEMBLY, Axle Pivot               |
| 24     | 1960035SM     | 2    | WASHER, 5/8  |
| 25     | 1734511ASM    | 1    | STOP, "L" Steering                                 |
| 26     | 1664847SM     | 4    | SCREW, Hex Washer Head Taptite, 5/16-18 x 3/4      |
| 27     | 2860646SM     | 2    | NUT, Hex Flange 5/8-11 Two-Way Lock                |
| 28     | 1923683SM     | 4    | SCREW, Hex Washer head, Taptite, 3/8-16 x 3/4      |
| 29     | 2860668SM     | 2    | NUT, Hex Flange 1/2-13 Whiz Lock                   |
| 30     | 1928352SM     | 4    | NUT, Hex Flange 3/8-16 Whiz Lock                   |
| 31     | 1923114SM     | 2    | CAPSCREW, Hex Head 1/2-13 x 1 G5                   |
| 32     | 1921210SM     | 2    | CAPSCREW, Hex Head 3/8-16 x 1 G5                   |
| 33     | 1960086SM     | 4    | SCREW, Truss Head Torx Drive 5/16-18 x 7/8         |
| 34     | 1733581SM     | 2    | PIN, Dowel   |
| 35     | 1960170SM     | 3    | WASHER, 1/2  |
| 36     | 1916966SM     | 3    | LOCKWASHER, Spring                                 |
| 37     | 1923360SM     | 1    | PIN, Cotter  |
| 38     | 1960754SM     | 6    | LOCKWASHER, Spring                                 |
| 39     | 1950036SM     | 6    | CAPSCREW, Hex Head                                 |
| 40     | 1667812SM     | 1    | SPACER, Powdered Metal                             |
| 41     | 1733403SM     | 2    | FITTING, Hose Elbow, 45 Degrees, 13/16-16 x 3/4-16 |
| 42     | 1733400SM     | 1    | HOSE ASSEMBLY, Hydraulic                           |
| 43     | 1733891SM     | 1    | HOSE ASSEMBLY, Hydraulic                           |
| 44     | 1733501ASM    | 1    | BRACKET, Hose Mounting 10GA                        |
| 45     | 1733402SM     | 2    | FITTING, Bulkhead Union 13/16-16                   |
| 46     | 1931333SM     | 2    | CARRIAGE BOLT, 5/16-18 x 3/4 G5                    |
| 47     | 1960636SM     | 2    | NUT, Hex KEPS, 5/16-18                             |
|        |               |      |  |

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

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# Frame & Front Axle Group - 4WD

| REF NO | PART NO.   | QTY. | DESCRIPTION                                  |
|--------|------------|------|--|
| 48     | 1733947SM  | 2    | NUT, Jam 13/16-16                            |
| 49     | 1960103SM  | 1    | WASHER, 3/8                                  |
| 50     | 1931355SM  | 1    | CARRIAGE BOLT, 3/8-16 x 2-1/4 G5             |
| 51     | 1733044ASM | 1    | SUPPORT, Steering Unit 7GA                   |
| 52     | 1924856SM  | 4    | SCREW, Hex Washer Head Taptite 5/16-18 x 1/2 |

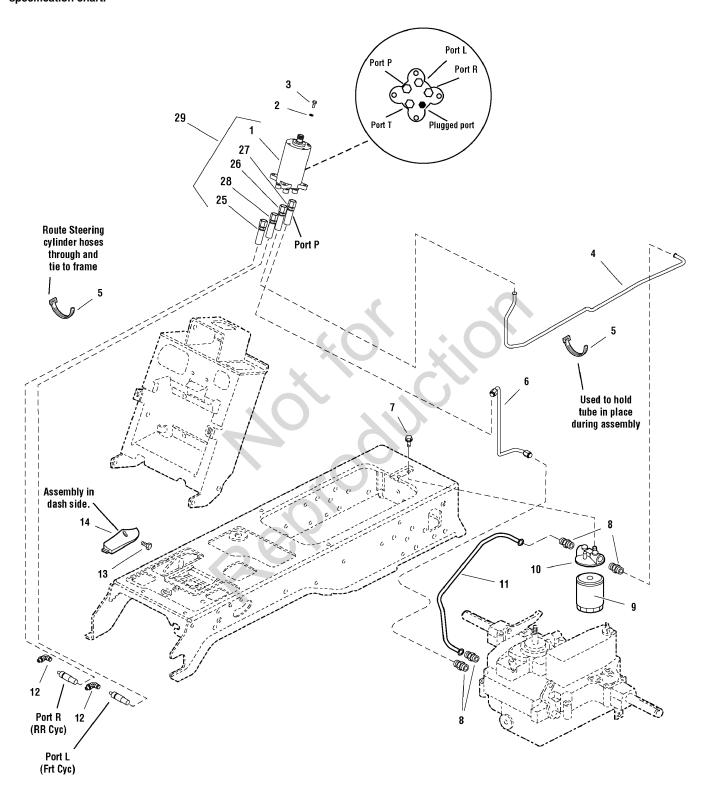


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# Power Steering & Hydraulic Lift Group

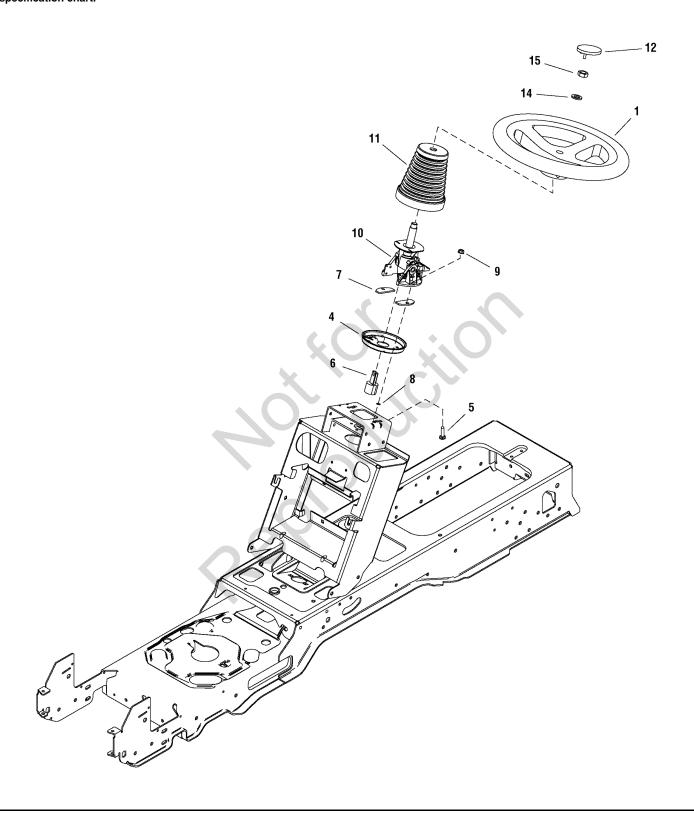
| Tower Steering & Trydraunc Ent Group |           |      |   |
|--------------------------------------|-----------|------|---|
| REF NO                               | PART NO.  | QTY. | DESCRIPTION   |
| 1                                    | 1733409SM | 1    | POWER STEERING UNIT, 32CC, 4 Ports                            |
| 2                                    | 1916964SM | 4    | LOCKWASHER, Spring  |
| 3                                    | 2860444SM | 4    | CAPSCREW, Hex Head  |
| 4                                    | 1722138SM | 1    | TUBE, Hydraulic   |
| 5                                    | 2825094SM | 2    | TIE, Self Locking   |
| 6                                    | 1733727SM | 1    | TUBE, Hydraulic   |
| 7                                    | 1931646SM | 2    | SCREW, Hex Whiz Lock Flange 1/4-20 x 1/2                      |
| 8                                    | 1722123SM | 4    | FITTING, Straight   |
| 9                                    | 1719168SM | 1    | FILTER, Oil   |
| 10                                   | 1719169SM | 1    | BASE, Oil Filter  |
| 11                                   | 1733427SM | 1    | TUBE, Hydraulic   |
| 12                                   | 1733230SM | 2    | FITTING, Hose Elbow Perma Push 9/16-18                        |
| 13                                   | 1722607SM | 1    | SCREW, Round Head Plastite                                    |
| 14                                   | 1722285SM | 1    | COVER, Lift   |
| 25                                   | 1733893SM | 1    | HOSE ASSEMBLY, 27" Port R                                     |
| 26                                   | 1733791SM | 1    | HOSE ASSEMBLY, 18" Port T                                     |
| 27                                   | 1733780SM | 1    | HOSE ASSEMBLY, 26" Port P                                     |
| 28                                   | 1733595SM | 1    | HOSE ASSEMBLY, 31" Port L                                     |
| 29                                   | 1733894SM | 1    | POWER STEERING ASSEMBLY (Includes Ref Nos 1, 25, 26, 27 & 28) |

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# Steering Group - Tilt Steering

|        | <u> </u>   |      |                                    |
|--------|------------|------|------------------------------------|
| REF NO | PART NO.   | QTY. | DESCRIPTION                        |
| 1      | 1733363SM  | 1    | STEERING WHEEL                     |
| 4      | 1724685ASM | 1    | PLATE, Steering Mounting           |
| 5      | 1960655SM  | 2    | CARRIAGE BOLT, 5/16-18 x 1-1/4 G5  |
| 6      | 1725294SM  | 1    | ADAPTER, Tilt                      |
| 7      | 1723898SM  | 2    | SPACER                             |
| 8      | 1933988SM  | 2    | NUT, Push Pal                      |
| 9      | 1960636SM  | 2    | NUT, Hex Keps 5/16-18              |
| 10     | 1734002SM  | 1    | STEERING UNIT, Tilt                |
| 11     | 1724368SM  | 1    | BELLOWS, Tilt Steering Unit w/Slot |
| 12     | 1725024SM  | 1    | CAP, Steering Wheel                |
| 13     | 1716518SM  | 2    | DECAL, Power Steering (Not Shown)  |
| 15     | 1960576SM  | 1    | NUT, Hex Lock ESNA Light 5/8-18    |
|        |            |      |                                    |



#### **Footnotes**

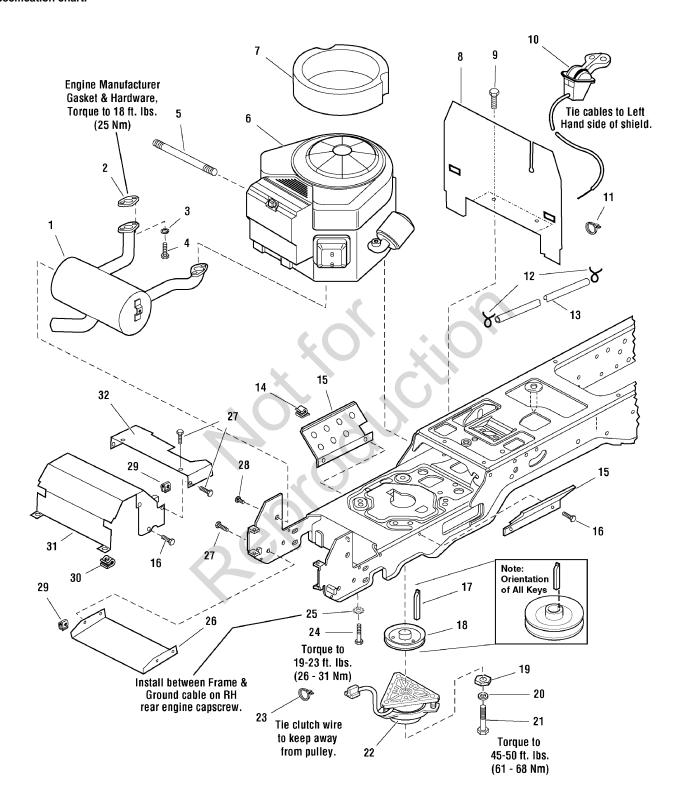
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NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



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# Engine Group - 20HP, 22HP & 23HP Briggs & Stratton, Vanguard Twin

|        |            |      | DECORPTION   |
|--------|------------|------|--|
| REF NO | PART NO.   | QTY. |  |
| 1      | 1726920SM  | 1    | MUFFLER  |
| 1      | 1722625SM  | 1    | MUFFLER (Only used on 20HP Models)                                       |
| 2      | *          | 2    | GASKET   |
| 3      | 1917356SM  | 4    | LOCKWASHER, 5/16   |
| 4      | 2860660SM  | 4    | CAPSCREW, Socket Head, 5/16-18 x 7/8, G8                                 |
| 5      | 1723165SM  | 1    | HOSE, Oil Drain  |
| 6      | *          | 1    | ENGINE, 22HP Briggs & Stratton VANGUARD Twin, Model 386777, Type 0111E1  |
| 6      | *          | 1    | ENGINE, 23HP Briggs & Stratton VANGUARD Twin, Model 386777, Type 0111E1  |
| 6      | *          | 1    | ENGINE, 21HP Briggs & Stratton VANGUARD Twin, Model 385777, Type 0119-E1 |
| 6      | *          | 1    | ENGINE, 20HP Briggs & Stratton VANGUARD Twin, Model 358777, Type 0110-E1 |
| 7      | 1722949SM  | 1    | SEAL, Circle   |
| 8      | 1722388ASM | 1    | BULKHEAD   |
| 9      | 1925003SM  | 2    | CAPSCREW, Hex Head Taptite, 1/4-20 x 1/2                                 |
| 10     | 1727223SM  | 1    | CONTROL, Throttle Double 39" Long w/Knobs (Only used on 20HP Models)     |
| 10     | 1734506SM  | 1    | CONTROL, Throttle Double   |
| 11     | 1701011SM  | 1    | TIE  |
| 12     | 2860112SM  | 2    | CLAMP, Hose Type E   |
| 13     | 1718678SM  | 1    | HOSE, 59" Long   |
| 14     | 2834683SM  | 2    | CLIP, Wire   |
| 15     | 1722392ASM | 2    | SHIELD   |
| 16     | 1929000SM  | 8    | SCREW, Hex Head Taptite, 1/4-20 x 3/8                                    |
| 17     | 1720463SM  | 1    | KEY  |
| 18     | 1722288SM  | 1    | PULLEY & HUB ASSEMBLY, 4-1/2 OD  |
| 19     | 1708264SM  | 1    | WASHER, Hex  |
| 20     | 1918199SM  | 1    | LOCKWASHER, 7/16   |
| 21     | 1960648SM  | 1    | CAPSCREW, Hex Head, 7/16-20 x 2-3/4                                      |
| 22     | 1686883SM  | 1    | CLUTCH, Electric, OGURA  |
| 22     | 1720532SM  | 1    | CLUTCH, Electric, Big Brake OGURA  |
| 23     | 2832747SM  | 1    | TIE  |
| 24     | 2830598SM  | 4    | CAPSCREW, Hex Head Taptite, 3/8-16 x 1-1/2                               |
| 25     | 2820427SM  | 1    | LOCKWASHER, External Tooth, 3/8  |
| 26     | 1722414ASM | 1    | SHIELD, Muffler Bottom   |
| 27     | 1960295SM  | 8    | CAPSCREW, Hex Head Flange Lock, 1/4-20 x 5/8                             |
| 28     | 1924856SM  | 2    | CAPSCREW, Hex Head Taptite, 5/16-18 x 1/2                                |
| 29     | 1960368SM  | 8    | NUT, Speed, 1/4-20   |
| 30     | 1935255SM  | 2    | NUT, Speed, 5/16-18  |
| 31     | 1722389ASM | 1    | DUCT, Muffler Top  |
| 32     | 1722390ASM | 1    | DUCT, Muffler Extension  |
|        |            |      |  |

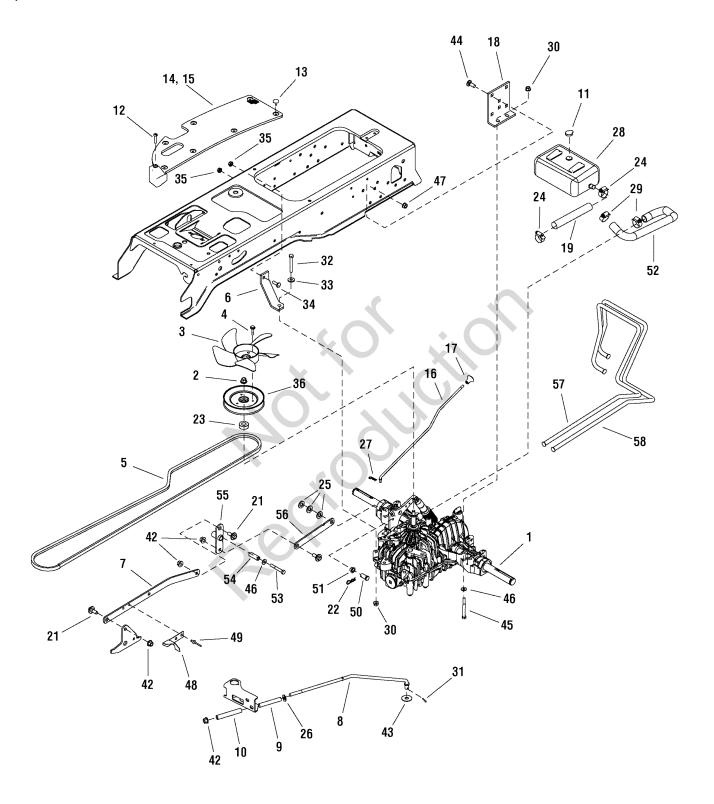
#### **Footnotes**

Note\* See your local Briggs & Stratton distributor for parts and service.

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#### Transmission Group

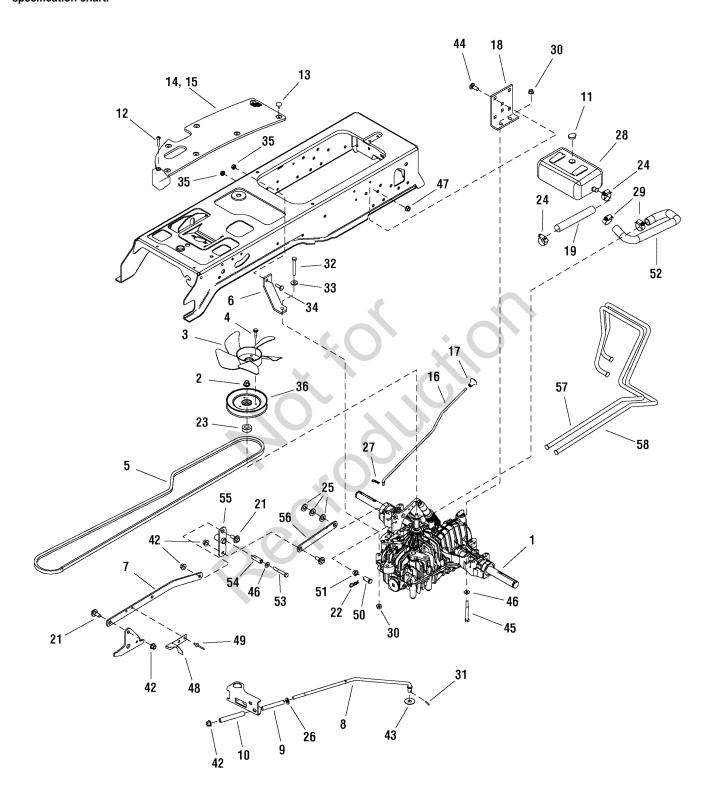
|        | iission Group |      |   |
|--------|---------------|------|---|
| REF NO | PART NO.      | QTY. | DESCRIPTION                                     |
| 1      | 1733478SM     | 1    | TRANSMISSION ASSEMBLY, K664                     |
| 2      | 1722194SM     | 1    | PULLEY & HUB ASSEMBLY                           |
| 3      | 1719233SM     | 1    | FAN   |
| 4      | 1933958SM     | 3    | SCREW, Hex Washer Head, Taptite, 1/4-20 x 1-1/4 |
| 5      | 1721392SM     | 1    | BELT, 94.05                                     |
| 6      | 1721593ASM    | 1    | STRAP, 4-1/4 Long                               |
| 7      | 1733318ASM    | 1    | ARM, Control 7GA                                |
| 8      | 1721424SM     | 1    | ROD, 17-27/64 Long                              |
| 9      | 1722684SM     | 1    | SPRING, Compression                             |
| 10     | 1729277SM     | 1    | SPRING, Compression                             |
| 11     | 1722711SM     | 1    | CAP, Expansion                                  |
| 12     | 1960676SM     | 2    | SCREW, Pan Head Torx, 1/4-20 x 1-1/4 Taptite    |
| 13     | 1704351SM     | 15   | FASTENER, Panel                                 |
| 14     | 1722174SM     | 1    | PAD, Footrest L.H.                              |
| 15     | 1722173SM     | 1    | PAD, Footrest R.H.                              |
| 16     | 1721622SM     | 1    | ROD, Free Wheel                                 |
| 17     | 1723126SM     | 1    | KNOB, Interior Thread                           |
| 18     | 1721728ASM    | 2    | SUPPORT, Transmission                           |
| 19     | 1733531SM     | 1    | HOSE, Hydraulic                                 |
| 21     | 1732129SM     | 3    | BOLT, Shoulder, 3/8-16                          |
| 22     | 1960074SM     | 1    | CLIP, Hair Pin                                  |
| 23     | 1734337SM     | 1    | SPACER  |
| 24     | 2860266SM     | 1    | CLAMP, Hose Worm                                |
| 25     | 1960027SM     | 3    | WASHER, 1/2                                     |
| 26     | 1924940SM     | 1    | WASHER, 3/8                                     |
| 27     | 1722460SM     | 1    | PIN, Quick                                      |
| 28     | 1732989SM     | 1    | TANK, Oil Natural                               |
| 29     | 1723214SM     | 2    | CLAMP, Hose Worm                                |
| 30     | 1960686SM     | 6    | NUT, Hex Flange 5/16-18 ESNA                    |
| 31     | 1918447SM     | 1    | COTTER PIN                                      |
| 32     | 1921719SM     | 1    | CAPSCREW, Hex Head 5/16-18 x 2-1/2 G5           |
| 33     | 1960141SM     | 1    | WASHER, 5/16                                    |
| 34     | 1931335SM     | 1    | CARRIAGE BOLT, 5/16-18 x 1 G5                   |
| 35     | 1960636SM     | 2    | NUT, Hex KEPS 5/16-18                           |
| 36     | 1719968SM     | 1    | NUT, Hex Flange                                 |
| 42     | 1960687SM     | 4    | NUT, Hex Flange 3/8-16 ESNA                     |
| 43     | 1918267SM     | 1    | WASHER, 7/16                                    |
| 44     | 1931350SM     | 6    | CARRIAGE BOLT, 3/8-16 x 1 G5                    |
| 45     | 1960590SM     | 4    | CAPSCREW, Hex Head 5/16-18 x 3 G5               |
| 46     | 1919326SM     | 3    | WASHER, 5/16                                    |
| 47     | 1960637SM     | 6    | NUT, Hex Keps 3/8-16                            |
| 48     | 1727215ASM    | 1    | ACTUATOR, Switch                                |
| 49     | 1960241SM     | 2    | POP RIVET                                       |
|        |               |      |   |

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# **Transmission Group**

| REF NO | PART NO.   | QTY. | DESCRIPTION                            |
|--------|------------|------|--|
| 50     | 1724107SM  | 1    | PIN, Clevis                            |
| 51     | 1722648SM  | 1    | BEARING                                |
| 52     | 1722468SM  | 1    | HOSE, Hydraulic                        |
| 53     | 1921160SM  | 1    | CAPSCREW, Hex Head, 5/16-18 x 2-1/4 G5 |
| 54     | 1713588SM  | 1    | SPACER                                 |
| 55     | 1733320ASM | 1    | PIVOT ASSEMBLY, Control                |
| 56     | 1733525ASM | 1    | ARM, Control                           |
| 57     | 1733483SM  | 1    | TUBE, Hydraulic 4WD                    |
| 58     | 1733484SM  | 1    | TUBE, Hydraulic Rear                   |

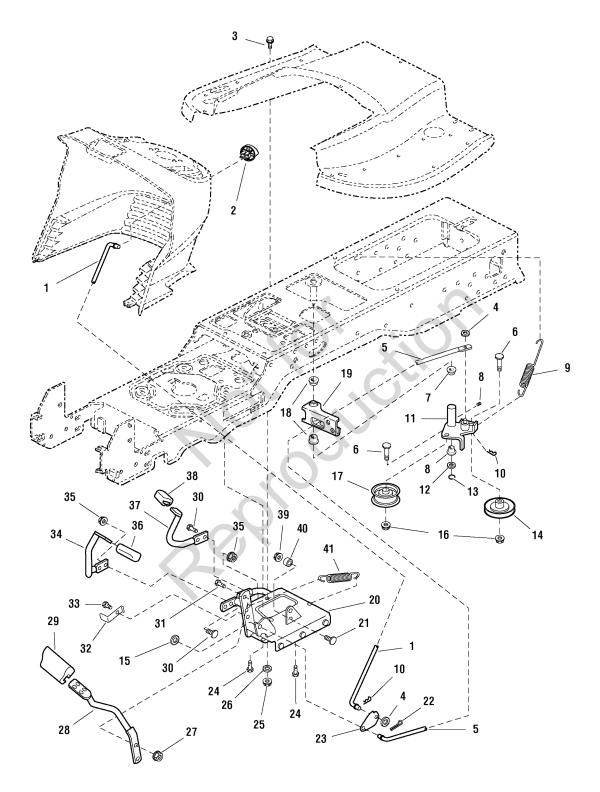


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# **Controls Group**

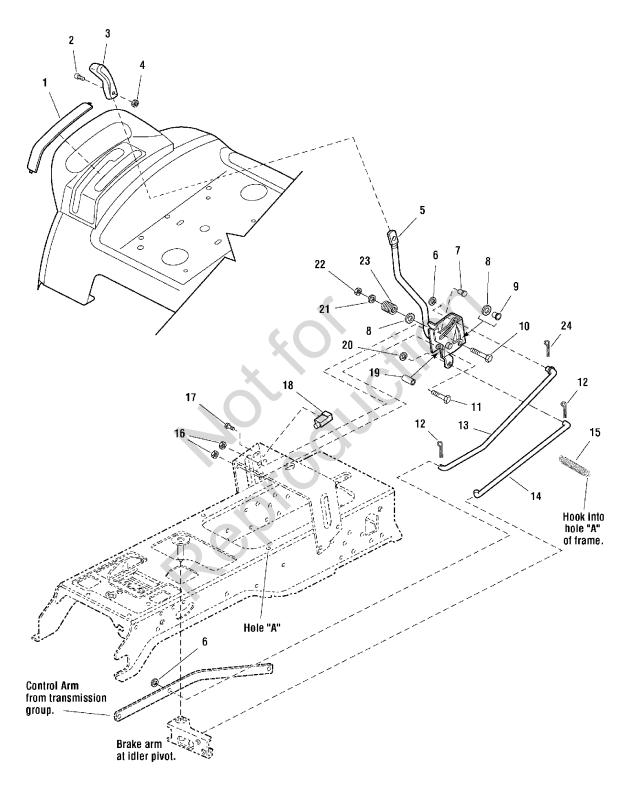
| Control       | ls Group   |      |  |
|---------------|------------|------|--|
| <b>REF NO</b> | PART NO.   | QTY. | DESCRIPTION                                      |
| 1             | 1721353SM  | 1    | ROD, Brake Lock                                  |
| 2             | 1721891SM  | 1    | KNOB, Push On, Red Plastic "P"                   |
| 3             | 1930591SM  | 1    | CAPSCREW, Hex Flange Whiz Lock, 5/16-18 x 3/4    |
| 4             | 1919326SM  | 2    | WASHER, 5/16, Black                              |
| 5             | 1721476SM  | 1    | ROD, Brake                                       |
| 6             | 1931353SM  | 2    | CARRIAGE BOLT, 3/8-16 x 1 3/4                    |
| 7             | 1663114SM  | 2    | BUSHING, 5/8 x 3/4 x 3/4, Nylon                  |
| 8             | 2821133SM  | 1    | FITTING, Lube, 1/4                               |
| 9             | 1725250SM  | 1    | SPRING, Extension                                |
| 10            | 1722460SM  | 3    | PIN, Quick                                       |
| 11            | 1724917SM  | 1    | ARM & HUB ASSEMBLY, Idler                        |
| 12            | 1960020SM  | 1    | WASHER, 5/8                                      |
| 13            | 1704420SM  | 1    | RING, Clipring Extension                         |
| 14            | 1721134SM  | 1    | PULLEY, w/Bearing                                |
| 15            | 1924940SM  | 1    | WASHER, 3/8                                      |
| 16            | 1960687SM  | 2    | NUT, Hex Flange ESNA, 3/8-16                     |
| 17            | 1721133SM  | 1    | PULLEY, Idler                                    |
| 18            | 1723237SM  | 2    | BUSHING, 1 x 1-1/8 x 5/8, Nylon                  |
| 19            | 1722513SM  | 1    | ARM, Brake                                       |
| 20            | 1726763SM  | 1    | PEDAL ASSEMBLY, Foot                             |
| 21            | 1931320SM  | 1    | CARRIAGE BOLT, 1/4-20 x 1-1/4                    |
| 22            | 1918447SM  | 1    | PIN, Cotter, Black                               |
| 23            | 1721354ASM | 1    | LATCH, Brake                                     |
| 24            | 1664847SM  | 3    | CAPSCREW, Hex Washer Head Taptite, 5/16-18 x 3/4 |
| 25            | 1919438SM  | 1    | NUT, Hex Lock ESNA Light, 5/16-18                |
| 26            | 1919381SM  | 1    | WASHER, 5/16, Black                              |
| 27            | 1927557SM  | 2    | NUT, Hex Flange Whiz Lock Large, 5/16-18         |
| 28            | 1722535ASM | 1    | PEDAL, Brake                                     |
| 29            | 1721577SM  | 1    | PAD, Brake Pedal                                 |
| 30            | 1931334SM  | 4    | CARRIAGE BOLT, 5/16-18 x 7/8                     |
| 31            | 1921333SM  | 2    | CAPSCREW, 5/16-18 x 1                            |
| 32            | 1722083ASM | 1    | ACTUATOR, Switch 2.53" Long                      |
| 33            | 1923683SM  | 1    | CAPSCREW, Hex Washer Head Taptite, 3/8-16 x 3/4  |
| 34            | 1722070ASM | 1    | PEDAL, Forward                                   |
| 35            | 1960636SM  | 4    | NUT, Hex KEPS, 5/16-18                           |
| 36            | 1721675SM  | 1    | PAD, Foot Pedal Forward                          |
| 37            | 1722071ASM | 1    | PEDAL, Reverse                                   |
| 38            | 1721674SM  | 1    | PAD, Foot Pedal Reverse                          |
| 39            | 1920397SM  | 1    | NUT, Hex Lock ESNA Light, 1/4-20                 |
| 40            | 1686612SM  | 1    | CAM, Roller                                      |
| 41            | 1721995SM  | 1    | SPRING, Extension                                |

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# **Cruise Control Group**

| Oraise        | control are | Jup  |   |
|---------------|-------------|------|---|
| <b>REF NO</b> | PART NO.    | QTY. | DESCRIPTION                                       |
| 1             | 1722314SM   | 1    | COVER, w/Cruise Icon                              |
| 2             | 1960666SM   | 1    | SCREW, Torque Head Plus Socket Head, 1/4-20 x 7/8 |
| 3             | 1722303SM   | 1    | KNOB, Cruise                                      |
| 4             | 1920397SM   | 1    | NUT, Hex Lock ESNA Light, 1/4-20                  |
| 5             | 1722003SM   | 1    | LEVER & BRACKET ASSEMBLY, Cruise                  |
| 6             | 1960103SM   | 2    | WASHER, 3/8, Black                                |
| 7             | 1931333SM   | 1    | CARRIAGE BOLT, 5/16-18 x 3/4                      |
| 8             | 1924361SM   | 2    | WASHER, 1/2                                       |
| 9             | 1709043SM   | 1    | SPACER, w/Flange, 11/32 x 15/32 x 3/4             |
| 10            | 1931342SM   | 1    | CARRIAGE BOLT, 5/16-18 x 2-3/4                    |
| 11            | 1960273SM   | 1    | CARRIAGE BOLT, 5/16-18 x 2-1/4                    |
| 12            | 1722460SM   | 2    | PIN, Quick  |
| 13            | 1722117SM   | 1    | ROD, Cruise                                       |
| 14            | 1733719SM   | 1    | ROD, Return                                       |
| 15            | 2159106SM   | 1    | SPRING, Cruise Return to Frame                    |
| 16            | 1960636SM   | 2    | NUT, Hex KEPS, 5/16-18                            |
| 17            | 1960001SM   | 2    | CAPSCREW, Hex Washer Head Plastite, 10-14 x 5/8   |
| 18            | 1717050SM   | 1    | SWITCH, Push, Neutral Start, Gray                 |
| 19            | 1722080SM   | 1    | SPACER, 11/32 x 5/8 x 1-13/32                     |
| 20            | 1919326SM   | 1    | WASHER, 5/16, Black                               |
| 21            | 1919381SM   | 1    | WASHER, 5/16, Black                               |
| 22            | 1919438SM   | 1    | NUT, Hex Lock ESNA Light, 5/16-18                 |
| 23            | 1677746SM   | 1    | SPRING, Compression                               |
| 24            | 1918447SM   | 1    | PIN, Cotter                                       |
|               |             |      |   |

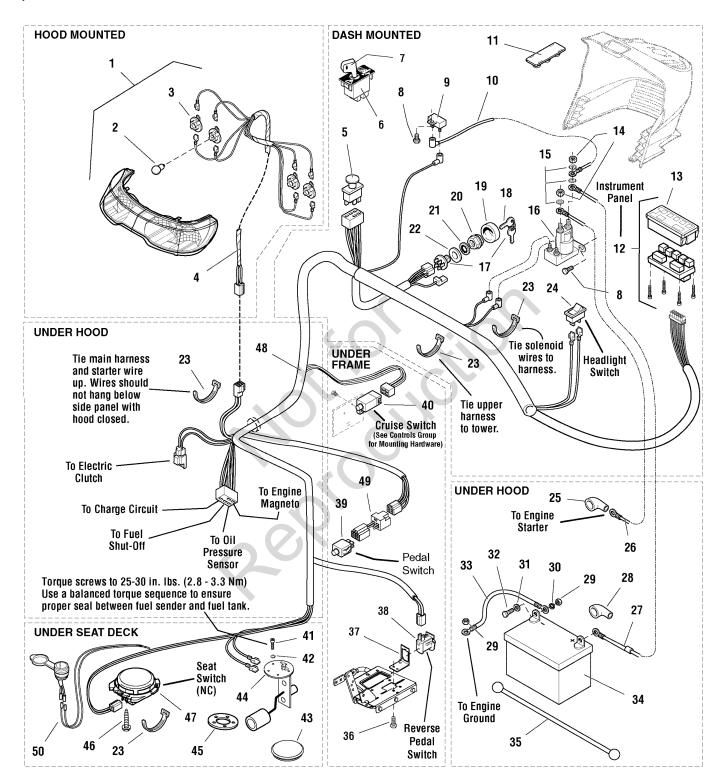
#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest 2690679 - Conquest

986605

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



#### The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest

2690679 - Conquest

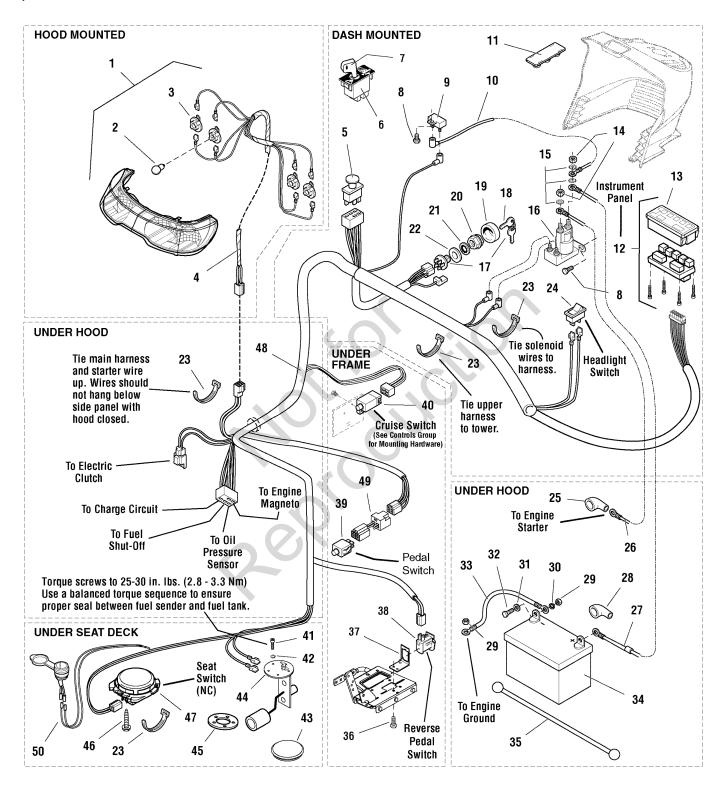
# **Electrical Group**

| Electric | ai Group   |      |   |
|----------|------------|------|---|
| REF NO   | PART NO.   | QTY. | DESCRIPTION   |
| 1        | 1721810SM  | 1    | HEADLIGHT ASSEMBLY, 4 Bulb (Includes Ref. Nos. 2 & 3)                           |
| 2        | 1677371SM  | 4    | BULB, Headlight, 12.8V  |
| 3        | 1723451SM  | 4    | SOCKET ASSEMBLY, Headlight, Sealed  |
| 4        | 1722669SM  | 1    | HARNESS, Headlight  |
| 5        | 1722887SM  | 1    | SWITCH, PTO Push/Pull Symbols   |
| 6        | 1726556SM  | 1    | MODULE, RMO (Includes Ref. No. 7)   |
| 7        | 1726557SM  | 1    | KEY, RMO Module Plastic   |
| 8        | 1925003SM  | 2    | CAPSCREW, Hex Washer Head Taptite, 1/4-20 x 1/2, Black                          |
| 9        | 1665238SM  | 1    | BREAKER, Circuit, 12 Volt 20 Amps   |
| 10       | 1665237SM  | 1    | WIRE, 12GA 5-15/16 Long, Red  |
| 11       | 1722611SM  | 1    | PLUG, Hole, Square  |
| 12       | 1725074SM  | 1    | PANEL, Instrument w/ Fuel Gage & Hour Meter (Includes Ref. No. 13)              |
| 13       | 1724865SM  | 1    | COVER, Instrument Panel   |
| 14       | 2820263SM  | 2    | NUT, Hex, 5/16-24   |
| 14       | 2860750SM  | 2    | NUT, KEPS Lock 5/16-24 (CE/Export) (Used only on RMO/ACS Models)                |
| 15       | 2820426SM  | 3    | LOCKWASHER, External Tooth, 5/16  |
| 16       | 1722739SM  | 1    | SOLENOID  |
| 16       | 1728963SM  | 1    | SOLENOID (CE/Export) (Used only on RMO/ACS Models)                              |
| 17       | 1686734SM  | 1    | SWITCH ASSEMBLY, Ignition, 6 Pin INDAK (Includes Ref. Nos. 18, 19, 20, 21 & 22) |
| 18       | 1717163SM  | 1    | KEYS, Set of 2  |
| 19       | 1717550SM  | 1    | COVER, For Ignition Switch, Plastic   |
| 20       | 1717549SM  | 1    | NUT, Hex Flange, 5/8-32, Ignition Switch  |
| 21       | 1960547SM  | 1    | LOCKWASHER, Internal Tooth, 5/8, Thin   |
| 22       | 2101025SM  | 1    | WASHER, Shim  |
| 23       | 1701011SM  | 3    | TIE, Strap, 7-5/16 Long   |
| 23       | 2825094SM  | 4    | TIE, Strap, 7-5/16 Long (CE/Export) (Used only on RMO/ACS Models)               |
| 24       | 1716951SM  | 1    | SWITCH, Headlights , 2 Terminal   |
| 25       | 1713535SM  | 1    | BOOT, Insulator Cable Terminal, 1-15/16 Long, Red                               |
| 26       | 1721830SM  | 1    | CABLE, #6 x 25" Long, Ring Terminals  |
| 27       | 1603618SM  | 1    | CABLE, #6 x 8" Long, Ring Terminals   |
| 28       | 1677296SM  | 1    | BOOT, Insulator Battery Terminal  |
| 29       | 2816622SM  | 3    | NUT, Hex, 1/4-20  |
| 30       | 2816964SM  | 2    | LOCKWASHER, 1/4   |
| 31       | 2821319SM  | 2    | WASHER, 1/4   |
| 32       | 2823341SM  | 2    | CAPSCREW, Hex Head, 1/4-20 x 3/4  |
| 33       | 1713163SM  | 1    | CABLE, #6 x 26 Long, Ring Terminal  |
| 34       | 1685215SM  | 1    | BATTERY, 12 Volt  |
| 35       | 1722009SM  | 1    | STRAP, Battery, 14 Long, Rubber   |
| 36       | 1929000SM  | 2    | CAPSCREW, Hex Head Taptite, 1/4-20 x 3/8  |
| 37       | 1726810ASM | 1    | BRACKET, Switch Mount   |
| 38       | 1732004SM  | 1    | SWITCH, Reverse Pedal   |
| 38       | 1704379SM  | 1    | SWITCH, Reverse Pedal (CE/Export) (Used only on RMO/ACS Models)                 |
| 39       | 1732006SM  | 1    | SWITCH, Push Button, Foot Pedal   |
|          |            |      |   |

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest 2690679 - Conquest



#### The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest

2690679 - Conquest

# **Electrical Group**

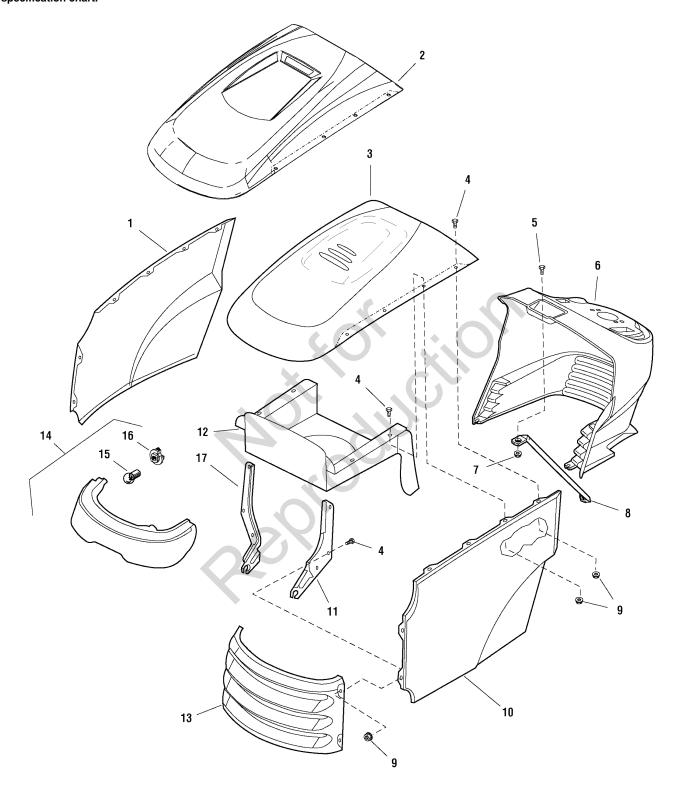
| REF NO | PART NO.  | QTY. | DESCRIPTION  |
|--------|-----------|------|--|
| 40     | 1717050SM | 1    | SWITCH, Cruise Control, Grey, NO (Used on all models except CE/Export)             |
| 41     | 2860665SM | 5    | SCREW, Pan Head Torx, #10-32 x 1/2   |
| 42     | 1917365SM | 5    | LOCKWASHER, 3/16 #10   |
| 43     | 1722309SM | 1    | PLUG, Hole 3", Round   |
| 44     | 1686921SM | 1    | SENDER, Fuel Tank (Includes Ref. 45)   |
| 45     | 1685303SM | 1    | GASKET   |
| 46     | 1960536SM | 2    | CAPSCREW, Hex Washer Head Plastite, 1/4 x 1/2                                      |
| 47     | 1716368SM | 1    | SWITCH, Seat, Grey, NC   |
| 47     | 1718981SM | 1    | SWITCH, Seat, Grey, NC (CE/Export) (Used only on RMO/ACS Models)                   |
| 48     | 1730192SM | 1    | HARNESS, Wiring  |
| 48     | 1733220SM | 1    | HARNESS, Wiring (CE/Export) (Used only on RMO/ACS Models)                          |
| 49     | 1734025SM | 1    | WIRING ASSEMBLY, All Conditions Shutdown (CE/Export) (Used only on RMO/ACS Models) |
| 50     | 1725302SM | 1    | 12-VOLT OUTLET (CE/Export) (Used only on RMO/ACS Models)                           |



#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest 2690679 - Conquest



The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest

2690679 - Conquest

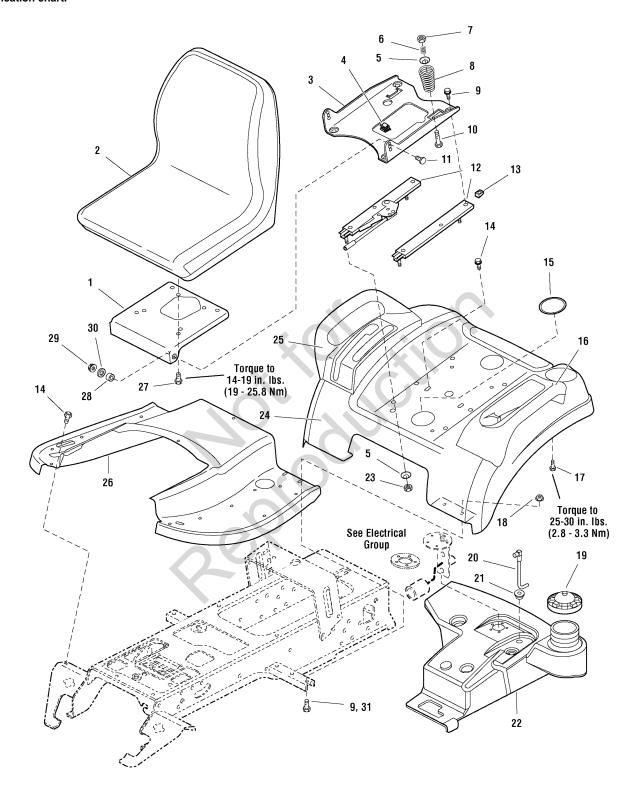
# Hood, Grille & Dash Group

| ricou, armo a zuori arcup |            |      |   |
|---------------------------|------------|------|---|
| REF NO                    | PART NO.   | QTY. | DESCRIPTION                                     |
| 1                         | 1721804CSM | 1    | PANEL, RH Side                                  |
| 1                         | 1721804DSM | 1    | PANEL, RH Side, Red                             |
| 2                         | 1728031DSM | 1    | HOOD, with Scoop, Red                           |
| 3                         | 1722110CSM | 1    | HOOD, with Louvers                              |
| 4                         | 1960295SM  | 12   | CAPSCREW, Hex Head Flange Lock,1/4-20 x 5/8     |
| 5                         | 1960392SM  | 1    | SCREW, Phillips Head, #10-24 x 1/2              |
| 6                         | 1687054SM  | 1    | DASHBOARD, RMO, Black                           |
| 6                         | 1687055SM  | 1    | DASHBOARD, RMO with Hydra Lift Slot, Black      |
| 7                         | 1933896SM  | 1    | NUT, Hex Nylock,#10-24                          |
| 8                         | 1723123SM  | 1    | ROD, Dash Support                               |
| 9                         | 1930641SM  | 12   | NUT, Hex Flange Lock, 1/4-20                    |
| 10                        | 1721803CSM | 1    | PANEL, LH Side                                  |
| 10                        | 1721803DSM | 1    | PANEL, LH Side, Red                             |
| 11                        | 1721808ASM | 1    | HINGE, LH                                       |
| 12                        | 1733457ASM | 1    | DUCT, Air Inlet                                 |
| 13                        | 1721802CSM | 1    | GRILLE  |
| 13                        | 1721802DSM | 1    | GRILLE, Red                                     |
| 14                        | 1721810SM  | 1    | HEADLIGHT ASSEMBLY (Includes Ref. Nos. 15 & 16) |
| 15                        | 1677371SM  | 4    | BULB, Headlight                                 |
| 16                        | 1723451SM  | 4    | SOCKET, Headlight                               |
| 17                        | 1721809ASM | 1    | HINGE, RH                                       |

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest 2690679 - Conquest



The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest

2690679 - Conquest

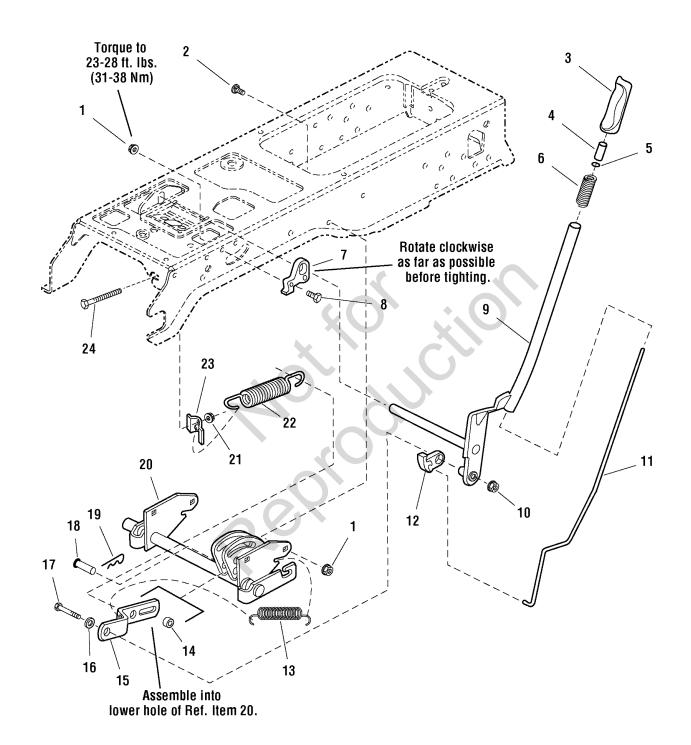
#### Seat & Seat Deck Group

| Jeal &        | Seal Deck G | roup |  |
|---------------|-------------|------|--|
| <b>REF NO</b> | PART NO.    | QTY. | DESCRIPTION                                      |
| 1             | 1722129ASM  | 1    | BRACKET, 1-5/8 x 1-3/4                           |
| 2             | 1687199SM   | 1    | SEAT, 18" Back                                   |
| 3             | 1722128ASM  | 1    | SUPPORT, Seat                                    |
| 4             | 2172434SM   | 1    | CLIP, Wire                                       |
| 5             | 1709256SM   | 2    | WASHER, Spring, 5/16 x 1-1/4                     |
| 6             | 1714263SM   | 2    | SPRING, Compression                              |
| 7             | 1919438SM   | 10   | NUT, Hex Lock, ESNA Light, 5/16-18               |
| 8             | 1717051SM   | 2    | SPRING, Compression                              |
| 9             | 1930591SM   | 8    | CAPSCREW, Hex Flange Whiz Lock, 5/16-18 x 3/4    |
| 10            | 1931339SM   | 2    | CARRIAGE BOLT, 5/16-18 x 2                       |
| 11            | 1931350SM   | 2    | CARRIAGE BOLT, 3/8-16 x 1                        |
| 12            | 1722356SM   | 1    | SLIDE, Seat                                      |
| 13            | 1935255SM   | 4    | NUT, Speed, 5/16-18, Lug Type                    |
| 14            | 1930601SM   | 4    | CAPSCREW, Hex Washer Head Taptite, 5/16-18 x 5/8 |
| 15            | 1722309SM   | 2    | PLUG, Plastic                                    |
| 16            | 1729711SM   | 1    | POD, with Cup Holder, LH                         |
| 17            | 2860664SM   | 8    | CAPSCREW, Hex Washer Head, 1/4-20 x 5/8          |
| 18            | 1931277SM   | 4    | NUT, Hex Flange Whiz Lock, 5/16-18               |
| 19            | 1715917SM   | 1    | CAP, Gas   |
| 20            | 1722340SM   | 1    | TUBE & ELBOW ASSEMBLY                            |
| 21            | 1654930SM   | 1    | BUSHING, 3/8 x 9/16 x 5/8, Rubber                |
| 22            | 1722432SM   | 1    | TANK, Fuel                                       |
| 23            | 1960636SM   | 8    | NUT, Hex KEPS, 5/16-18                           |
| 24            | 1722106CSM  | 1    | DECK, Seat, Orange                               |
| 24            | 1722106DSM  | 1    | DECK, Seat, Red                                  |
| 25            | 1722108SM   | 1    | POD, RH with 2 Slots                             |
| 26            | 1722105CSM  | 1    | TUNNEL, Orange                                   |
| 26            | 1722105DSM  | 1    | TUNNEL, Red                                      |
| 27            | 1960667SM   | 4    | SCREW, Hex Flange Whiz Lock, 5/16-18 x 1         |
| 28            | 1663752SM   | 2    | SPACER, 25/64 x 5/8 x 3/16, Hardened             |
| 29            | 1930645SM   | 2    | NUT, Hex Flange Two-Way Lock, 3/8-16             |
| 30            | 1924940SM   | 2    | WASHER, 3/8                                      |
| 31            | 1930595SM   | 4    | SCREW, Taptite 5/16-18 x 1-1/4                   |
|               |             |      |  |

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest 2690679 - Conquest



#### The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest

2690679 - Conquest

## Lift Group - Manual Lift

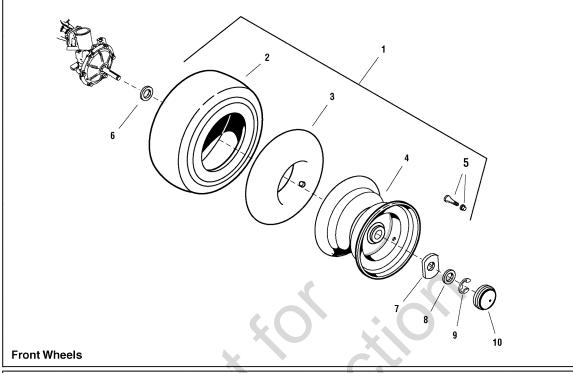
| ant on oup mandarant |            |      |  |
|----------------------|------------|------|--|
| REF NO               | PART NO.   | QTY. | DESCRIPTION                                      |
| 1                    | 1927557SM  | 2    | NUT, Hex Whiz Lock Flange, 5/16-18, Large, Black |
| 2                    | 1931333SM  | 4    | CARRIAGE BOLT, 5/16-18 x 3/4                     |
| 3                    | 1722291SM  | 1    | GRIP, Lift Lever                                 |
| 4                    | 1723124SM  | 1    | BUTTON, Red Nylon, for 1/4 Rod                   |
| 5                    | 1960674SM  | 1    | NUT, Push  |
| 6                    | 1723321SM  | 1    | SPRING, Compression, Lift Lever                  |
| 7                    | 1721581SM  | 1    | QUADRANT, Lift, Powdered Metal                   |
| 8                    | 1926149SM  | 2    | CAPSCREW, Hex Head, 5/16-18 x 1, G8, Black       |
| 9                    | 1721712ASM | 1    | LEVER ASSEMBLY, Lift                             |
| 10                   | 1960636SM  | 5    | NUT, Hex KEPS, 5/16-18                           |
| 11                   | 1722482SM  | 1    | ROD, Latch                                       |
| 12                   | 1722112SM  | 1    | LOCK, Lift, Powdered Metal                       |
| 13                   | 2156302SM  | 1    | SPRING, Extension                                |
| 14                   | 1723163SM  | 1    | SPACER, 1/2 x 3/4 x 23/32                        |
| 15                   | 1723795ASM | 1    | BAR, Lift, 9-7/8 Long                            |
| 16                   | 1919381SM  | 1    | WASHER, 5/16, Black                              |
| 17                   | 1921160SM  | 1    | CAPSCREW, Hex Head, 5/16-18 x 2-1/4              |
| 18                   | 1722819SM  | 1    | PIN, Flat Head Drilled, 1/2 x 2-1/8 Long         |
| 19                   | 1960033SM  | 1    | CLIP, Hair Pin, 2-9/16 Long                      |
| 20                   | 1727436ASM | 1    | SHAFT ASSEMBLY, Lift                             |
| 21                   | 1935255SM  | 1    | NUT, Speed, 5/16-18, Lug                         |
| 22                   | 1675232SM  | 1    | SPRING, Compression                              |
| 23                   | 1723499SM  | 1    | RETAINER, Spring Flat                            |
| 24                   | 1722357SM  | 1    | CAPSCREW, Hex Washer Head, 5/16-18 x 4-1/2       |
|                      |            |      |  |

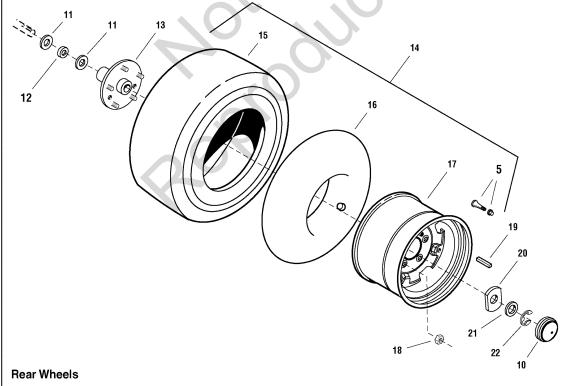
#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest

2690679 - Conquest 2690744 - Conquest





#### The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest

2690679 - Conquest

## Wheels & Tires Group

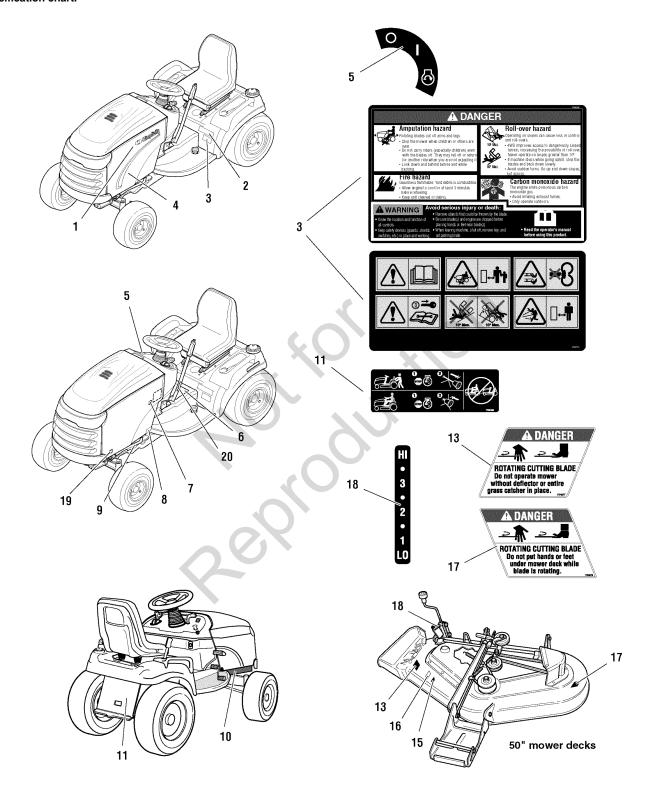
| Whole a Thou Group |            |      |   |
|--------------------|------------|------|---|
| REF NO             | PART NO.   | QTY. | DESCRIPTION   |
| 1                  | 1735010SM  | 2    | WHEEL & TIRE ASSEMBLY (Includes Ref. Nos. 2, 3, 4 & 5)    |
| 2                  | 1735706SM  | 2    | TIRE, 16 x 6-1/2-8  |
| 3                  | 2153038SM  | 2    | TUBE, Tire  |
| 4                  | 1733237SM  | 2    | WHEEL ASSEMBLY  |
| 5                  | 2172353SM  | 4    | VALVE STEM & CAP  |
| 6                  | 2860202SM  | 2    | WASHER, Flat 3/4 x 1-5/8 x 1/8                            |
| 7                  | 1722717ASM | 2    | WASHER, Flat  |
| 8                  | 1960114SM  | 2    | WASHER, 3/4   |
| 9                  | 2827794SM  | 2    | RING  |
| 10                 | 1722676SM  | 4    | CAP, Hub  |
| 11                 | 1960701SM  | 4    | WASHER, 1 x 2-1/4 x 1/8                                   |
| 12                 | 1726089SM  | 2    | SPACER  |
| 13                 | 1721400SM  | 2    | PLATE & HUB WELDMENT                                      |
| 14                 | 1735011SM  | 2    | WHEEL & TIRE ASSEMBLY (Includes Ref. Nos. 5, 15, 16 & 17) |
| 15                 | 1735705SM  | 2    | TIRE, 23 x 10-1/2-12                                      |
| 16                 | 2157638SM  | 2    | TUBE, Tire  |
| 17                 | 1722831SM  | 2    | WHEEL   |
| 18                 | 2177725SM  | 10   | NUT, Hex 7/16-20 For Wheel Bolt                           |
| 19                 | 2105337SM  | 2    | KEY, Hi-Pro 1/4 x 2                                       |
| 20                 | 1722726ASM | 2    | WASHER, Flat  |
| 21                 | 1919394SM  | 2    | WASHER, Flat  |
| 22                 | 2834712SM  | 2    | RING  |

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest

2690679 - Conquest



The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest

2690679 - Conquest

# **Decals Group**

| REF NO | PART NO.  | QTY. | DESCRIPTION   |
|--------|-----------|------|---|
| 1      | 1722551SM | 3    | DECAL, Simplicity Silver & Blue w/Icon                |
| 2      | 1722820SM | 1    | DECAL, Conquest, Silver & Blue                        |
| 3      | 1722781SM | 1    | DECAL, 23HP Silver on Clear                           |
| 4      | 1722773SM | 1    | DECAL, Hood Stripe R.H. SMI Blue & Silver             |
| 4      | 1722774SM | 1    | DECAL, Hood Stripe L.H. SMI Blue & Silver             |
| 5      | 1722806SM | 1    | DECAL, Ignition Switch Symbols                        |
| 6      | 1734026SM | 1    | DECAL, Tunnel Cover Danger Slopes, Blades             |
| 6      | 1734027SM | 1    | DECAL, Tunnel Cover Danger Slopes, Blades (CE/Export) |
| 7      | 1734142SM | 1    | DECAL, Touch Up Paint                                 |
| 8      | 1723296SM | 2    | STICKER, Protection                                   |
| 9      | *         | 1    | DECAL, I.D. Plate                                     |
| 10     | *         | 1    | DECAL, Patent   |
| 11     | 1723160SM | 1    | DECAL, Transmission Release Valve                     |
| 13     | 1704277SM | 1    | DECAL, Danger Do Not Operate w/o Deflector            |
| 13     | 1720389SM | 1    | DECAL, Danger Rotating Blade (CE/Export)              |
| 15     | *         | 1    | DECAL, OPEI Certified                                 |
| 16     | 1706640SM | 1    | DECAL, 50" Silver on Black w/Stripe                   |
| 17     | 1704276SM | 1    | DECAL, Danger Do Not Put Hand/Feet In Mower           |
| 18     | 1721197SM | 1    | DECAL, 1 2 3 4 5 6, Height of Cut White/Black         |
| 19     | 1726373SM | 2    | DECAL, 4x4  |
| 20     | 1723143SM | 1    | DECAL, Lift (Used only on Domestic Models)            |
|        |           |      |   |

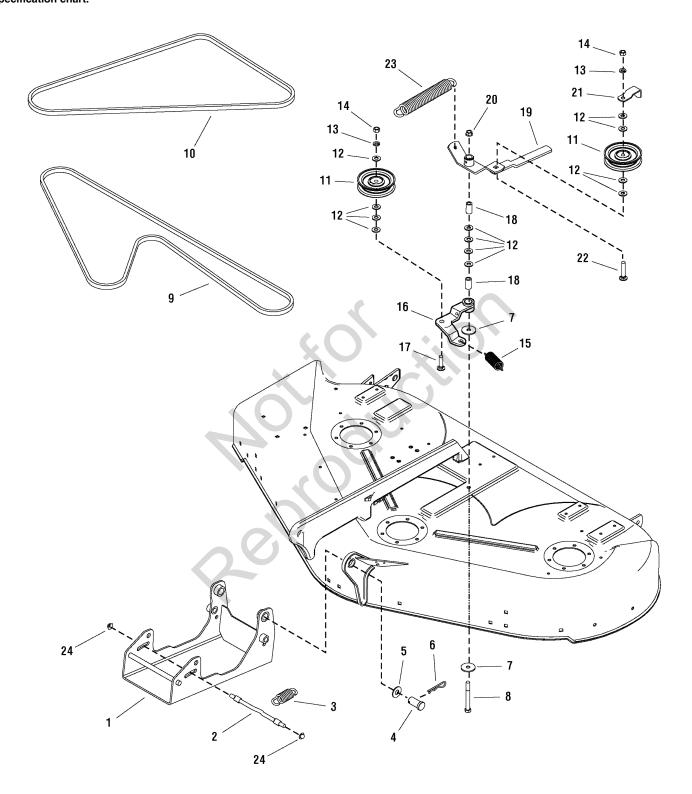
#### **Footnotes**

NOTE \* Not a serviceable part.

The above parts group applies to the following Mfg. Nos.:

1695415 - Conquest

2690679 - Conquest



The above parts group applies to the following Mfg. Nos.:

1695395 - 50" Mower

2690679 - Conquest

### 44" & 50" Mower Deck - Clutch & Support Group

|        |            |      | atch & Support Group                              |  |  |  |  |
|--------|------------|------|---|--|--|--|--|
| REF NO | PART NO.   | QTY. | DESCRIPTION                                       |  |  |  |  |
| 1      | 1732977ASM | 1    | HITCH & RODS ASSEMBLY, 4WD                        |  |  |  |  |
| 2      | 1715759SM  | 1    | ROD   |  |  |  |  |
| 3      | 2156302SM  | 1    | SPRING, Extension                                 |  |  |  |  |
| 4      | 1733830SM  | 2    | PIN, Clevis                                       |  |  |  |  |
| 5      | 2860202SM  | 2    | WASHER, 3/4                                       |  |  |  |  |
| 6      | 1960033SM  | 2    | CLIP, Hair Pin                                    |  |  |  |  |
| 7      | 1924356SM  | 2    | WASHER, 3/8                                       |  |  |  |  |
| 8      | 1923938SM  | 1    | CAPSCREW, Hex Head 3/8-15 x 3-1/2 G5              |  |  |  |  |
| 9      | 1703836SM  | 1    | V-BELT, Arbor Drive (Used only on 50" Mower)      |  |  |  |  |
| 9      | 1721532SM  | 1    | V-BELT, Arbor Drive (Used only on 44" Mower)      |  |  |  |  |
| 10     | 1734114SM  | 1    | V-BELT, Mower Drive 70.1 (Used only on 50" Mower) |  |  |  |  |
| 10     | 1734115SM  | 1    | V-BELT, Mower Drive 62.1 (Used only on 44" Mower) |  |  |  |  |
| 11     | 1724387SM  | 2    | PULLEY, Idler                                     |  |  |  |  |
| 12     | 1924940SM  | 12   | WASHER, 3/8                                       |  |  |  |  |
| 13     | 1916965SM  | 2    | LOCKWASHER, Spring 3/8                            |  |  |  |  |
| 14     | 1916950SM  | 2    | NUT, Hex 3/8-16                                   |  |  |  |  |
| 15     | 1656936SM  | 1    | SPRING, Extension                                 |  |  |  |  |
| 16     | 1718561SM  | 1    | LEVER ASSEMBLY, Idler w/Bushing & Fitting         |  |  |  |  |
| 17     | 1931352SM  | 1    | CARRIAGE BOLT, 3/8-16 x 1-1/2 G5                  |  |  |  |  |
| 18     | 1674669SM  | 2    | SPACER  |  |  |  |  |
| 19     | 1704658SM  | 1    | LEVER ASSEMBLY, Idler w/Bushings & Fitting        |  |  |  |  |
| 20     | 1960339SM  | 1    | NUT, Hex Flange 3/8-16 Machine Lock               |  |  |  |  |
| 21     | 1677135ASM | 1    | GUARD, Belt                                       |  |  |  |  |
| 22     | 1960315SM  | 1    | CARRIAGE BOLT, 3/8-16 x 2 G5                      |  |  |  |  |
| 23     | 1715435SM  | 1    | SPRING, Extension                                 |  |  |  |  |
| 24     | 1960093SM  | 2    | NUT, Push Pal 3/8 Diameter Stud Capped            |  |  |  |  |
|        |            |      |   |  |  |  |  |

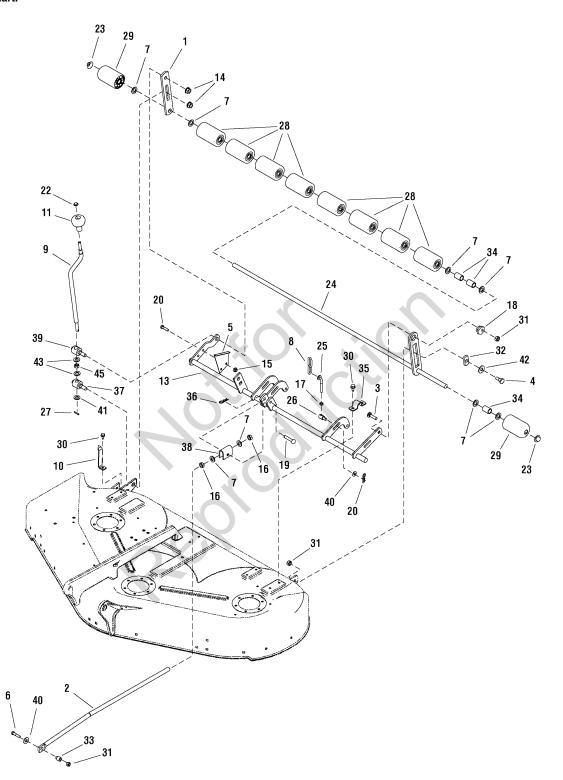
#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

1695395 - 50" Mower 2690679 - Conquest 2690744 - Conquest

987883

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Mfg. Nos.:

## 50" Mower Deck - Height Adjustment & Roller Bar Group

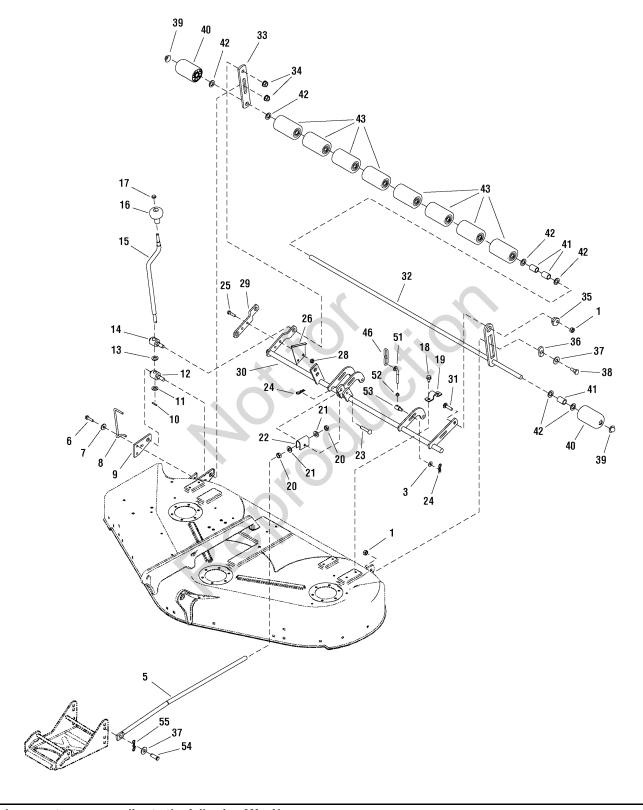
|        |            |      | Aujustinent & Holler Bar Group               |  |  |  |  |  |
|--------|------------|------|--|--|--|--|--|--|
| REF NO | PART NO.   | QTY. |  |  |  |  |  |  |
| 1      | 1704074ASM | 1    | BAR, Roller 5/16                             |  |  |  |  |  |
| 2      | 1722995SM  | 1    | ROD, Adjusting                               |  |  |  |  |  |
| 3      | 1931352SM  | 1    | CARRIAGE BOLT, 3/8-16 x 1-1/2 G5             |  |  |  |  |  |
| 4      | 2172622SM  | 1    | DLT, Shoulder, 3/8-16 G5                     |  |  |  |  |  |
| 5      | 1704116ASM | 1    | RACKET, Height of Cut 16GA                   |  |  |  |  |  |
| 6      | 1922606SM  | 1    | PSCREW, Hex Head 3/8-16 x 1-3/4 G8           |  |  |  |  |  |
| 7      | 1924366SM  | 8    | ASHER, 5/8                                   |  |  |  |  |  |
| 8      | 1731383ASM | 2    | CHAIN, Link                                  |  |  |  |  |  |
| 9      | 1719901SM  | 1    | CRANK, Height Adjusting                      |  |  |  |  |  |
| 10     | 1720643ASM | 1    | INDICATOR, Height                            |  |  |  |  |  |
| 11     | 1714084SM  | 1    | KNOB, Spinner                                |  |  |  |  |  |
| 13     | 1733522ASM | 1    | SHAFT ASSEMBLY, Rocker 50"                   |  |  |  |  |  |
| 14     | 1930644SM  | 2    | NUT, Hex Flange 1/2-13 Two-Way Lock          |  |  |  |  |  |
| 15     | 1931277SM  | 2    | NUT, Hex Flange 5/16-18 Whiz Lock Small      |  |  |  |  |  |
| 16     | 1915726SM  | 2    | NUT, Hex 5/8-11                              |  |  |  |  |  |
| 17     | 1920161SM  | 2    | NUT, Hex Jam 5/16-18                         |  |  |  |  |  |
| 18     | 1704082SM  | 1    | NUT, Hex Adjusting                           |  |  |  |  |  |
| 19     | 2118053SM  | 1    | PIN, Round Head Drilled 3/8 x 2              |  |  |  |  |  |
| 20     | 1930591SM  | 2    | SCREW, Hex Whiz Lock Flange 5/16-18 x 3/4    |  |  |  |  |  |
| 22     | 1960093SM  | 1    | NUT, Push Pal 3/8 Diameter Stud Capped       |  |  |  |  |  |
| 23     | 1960520SM  | 2    | NUT, Push for 5/8 Diameter Stud Capped       |  |  |  |  |  |
| 24     | 1716155ASM | 1    | SHAFT & BAR ASSEMBLY, Roller                 |  |  |  |  |  |
| 25     | 1731384SM  | 2    | ROD, Height Adjust (Long)                    |  |  |  |  |  |
| 25     | 1724959SM  | 2    | ROD, Height Adjust (Short)                   |  |  |  |  |  |
| 26     | 1731382SM  | 2    | TRUNNION                                     |  |  |  |  |  |
| 27     | 2816001SM  | 1    | PIN, Spring                                  |  |  |  |  |  |
| 28     | 1668513SM  | 8    | ROLLER                                       |  |  |  |  |  |
| 29     | 1722036SM  | 2    | ROLLER, Rounded                              |  |  |  |  |  |
| 30     | 1664847SM  | 6    | SCREW, Hex Washer Head Taptite 5/16-18 x 3/4 |  |  |  |  |  |
| 31     | 2860681SM  | 3    | NUT, Hex Toplock Spiral lock Flange 3/8-16   |  |  |  |  |  |
| 32     | 1677507SM  | 1    | SLIDE  |  |  |  |  |  |
| 33     | 1706644SM  | 1    | SPACER, 3/8 x 3/4 x 15/16                    |  |  |  |  |  |
| 34     | 1709195SM  | 3    | SPACER                                       |  |  |  |  |  |
| 35     | 1665374SM  | 3    | STRAP, Roller                                |  |  |  |  |  |
| 36     | 1960074SM  | 3    | CLIP, Hair Pin                               |  |  |  |  |  |
| 37     | 1733257SM  | 1    | TRUNNION                                     |  |  |  |  |  |
| 38     | 1706645ASM | 1    | TRUNNION                                     |  |  |  |  |  |
| 39     | 1733258SM  | 1    | TRUNNION                                     |  |  |  |  |  |
| 40     | 1924940SM  | 3    | WASHER, 3/8                                  |  |  |  |  |  |
| 41     | 1704097SM  | 1    | WASHER, Detent                               |  |  |  |  |  |
| 42     | 1924361SM  | 1    | WASHER, 1/2                                  |  |  |  |  |  |
| 43     | 1960170SM  | 1    | WASHER, 1/2                                  |  |  |  |  |  |
| 45     | 1716953SM  | 1    | SPACER                                       |  |  |  |  |  |
|        |            |      |  |  |  |  |  |  |

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

987642

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



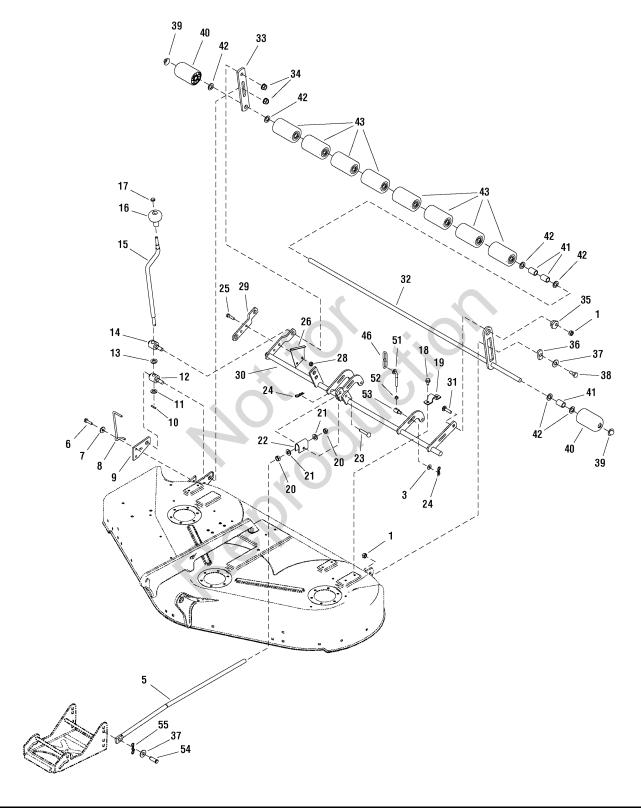
The above parts group applies to the following Mfg. Nos.:

## 50" Mower Deck - Height Adjustment & Roller Bar Group

| 50 Mower Deck - neight Adjustinent & Holler Bar Group |            |      |   |  |  |  |  |  |  |
|---|------------|------|---|--|--|--|--|--|--|
| REF NO  | PART NO.   | QTY. |   |  |  |  |  |  |  |
| 1   | 2860681SM  | 2    | NUT, Hex Toplock Spiralock Flange 3/8-16      |  |  |  |  |  |  |
| 3   | 1924940SM  | 2    | VASHER, 3/8                                   |  |  |  |  |  |  |
| 5   | 1722995SM  | 1    | OD, Adjusting                                 |  |  |  |  |  |  |
| 6   | 1931202SM  | 2    | CREW, Hex Washer Head Taptite 5/16-18 x 1-1/4 |  |  |  |  |  |  |
| 7   | 1919381SM  | 1    | WASHER, 5/16                                  |  |  |  |  |  |  |
| 8   | 1704114SM  | 1    | ICATOR, Cutting Height                        |  |  |  |  |  |  |
| 9   | 1704080ASM | 1    | PLATE, Mower Support                          |  |  |  |  |  |  |
| 10  | 2816001SM  | 1    | PIN, Spring                                   |  |  |  |  |  |  |
| 11  | 1704097SM  | 1    | WASHER, Detent                                |  |  |  |  |  |  |
| 12  | 1704086SM  | 1    | TRUNNION, 1-1/4                               |  |  |  |  |  |  |
| 13  | 1960170SM  | 1    | WASHER, 1/2                                   |  |  |  |  |  |  |
| 14  | 1704087SM  | 1    | TRUNNION, 1-1/4                               |  |  |  |  |  |  |
| 15  | 1719901SM  | 1    | CRANK, Height Adjusting                       |  |  |  |  |  |  |
| 16  | 1714084SM  | 1    | KNOB, Spinner                                 |  |  |  |  |  |  |
| 17  | 1960093SM  | 1    | NUT, Push Pal 3/8 Diameter Stud Capped        |  |  |  |  |  |  |
| 18  | 1664847SM  | 6    | SCREW, Hex Washer Head Taptite 5/16-18 x 3/4  |  |  |  |  |  |  |
| 19  | 1665374SM  | 3    | STRAP   |  |  |  |  |  |  |
| 20  | 1915726SM  | 2    | NUT, Hex 5/8-11                               |  |  |  |  |  |  |
| 21  | 1924366SM  | 2    | WASHER, 5/8                                   |  |  |  |  |  |  |
| 22  | 1706645ASM | 1    | TRUNNION                                      |  |  |  |  |  |  |
| 23  | 2118053SM  | 1    | PIN, Round Head Drilled 3/8 x 2               |  |  |  |  |  |  |
| 24  | 1960074SM  | 3    | CLIP, Hair Pin                                |  |  |  |  |  |  |
| 25  | 1921977SM  | 2    | CAPSCREW, Hex Head 5/16-18 x 1-1/4 G5         |  |  |  |  |  |  |
| 26  | 1704116ASM | 1    | BRACKET, Height of Cut 16GA                   |  |  |  |  |  |  |
| 28  | 1931277SM  | 2    | NUT, Hex Flange 5/16-18, Whiz Lock Small      |  |  |  |  |  |  |
| 29  | 1704083ASM | 1    | ARM, Rear R.H.                                |  |  |  |  |  |  |
| 30  | 1733522ASM | 1    | SHAFT ASSEMBLY, Rocker 50"                    |  |  |  |  |  |  |
| 31  | 1931352SM  | 1    | CARRIAGE BOLT, 3/8-16 x 1-1/2 G5              |  |  |  |  |  |  |
| 32  | 1716155ASM | 1    | SHAFT & BAR ASSEMBLY, Roller 50"              |  |  |  |  |  |  |
| 33  | 1704074ASM | 1    | BAR, Roller                                   |  |  |  |  |  |  |
| 34  | 1930644SM  | 2    | NUT, Hex Flange 1/2-13 Two-Way Lock           |  |  |  |  |  |  |
| 35  | 1704082SM  | 1    | NUT, Hex Adjusting                            |  |  |  |  |  |  |
| 36  | 1677507SM  | 1    | SLIDE   |  |  |  |  |  |  |
| 37  | 1924361SM  | 2    | WASHER, 1/2                                   |  |  |  |  |  |  |
| 38  | 2172622SM  | 1    | BOLT, Shoulder, 3/8-16 G5                     |  |  |  |  |  |  |
| 39  | 1960520SM  | 2    | NUT, Push for 5/8 Diameter Stud Capped        |  |  |  |  |  |  |
| 40  | 1722036SM  | 2    | ROLLER, Rounded                               |  |  |  |  |  |  |
| 41  | 1709195SM  | 3    | SPACER  |  |  |  |  |  |  |
| 42  | 1924366SM  | 6    | WASHER, 5/8                                   |  |  |  |  |  |  |
| 43  | 1668513SM  | 8    | ROLLER  |  |  |  |  |  |  |
| 46  | 1731383ASM | 2    | CHAIN, Link                                   |  |  |  |  |  |  |
| 51  | 1731384SM  | 2    | ROD, Height Adjusting                         |  |  |  |  |  |  |
| 52  | 1920161SM  | 2    | NUT, Hex Jam 5/16-18                          |  |  |  |  |  |  |
|   |            |      |   |  |  |  |  |  |  |

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



The above parts group applies to the following Mfg. Nos.:

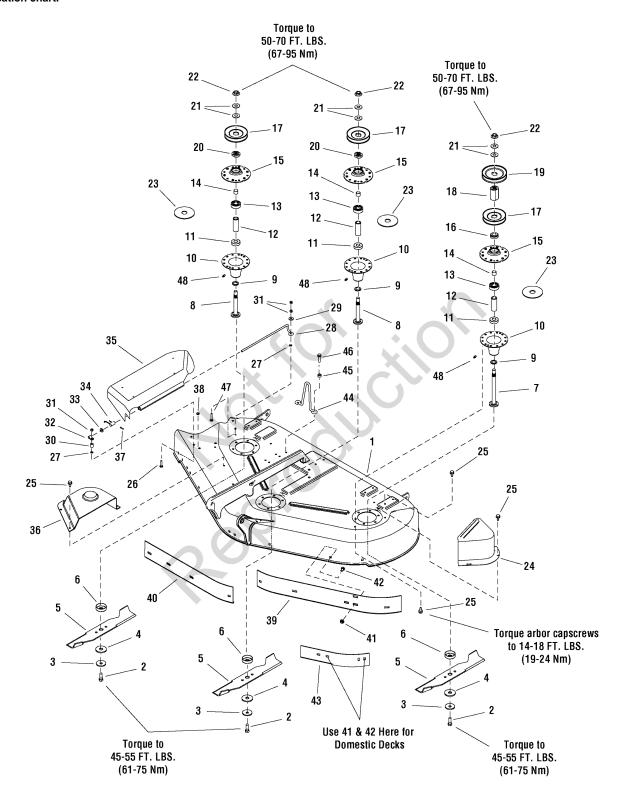
## 50" Mower Deck - Height Adjustment & Roller Bar Group

| REF NO | PART NO.  | QTY. | DESCRIPTION         |
|--------|-----------|------|---------------------|
| 53     | 1731382SM | 2    | TRUNNION            |
| 54     | 1960116SM | 1    | PIN, Yoke           |
| 55     | 1722320SM | 1    | PIN, Cotter Locking |



#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

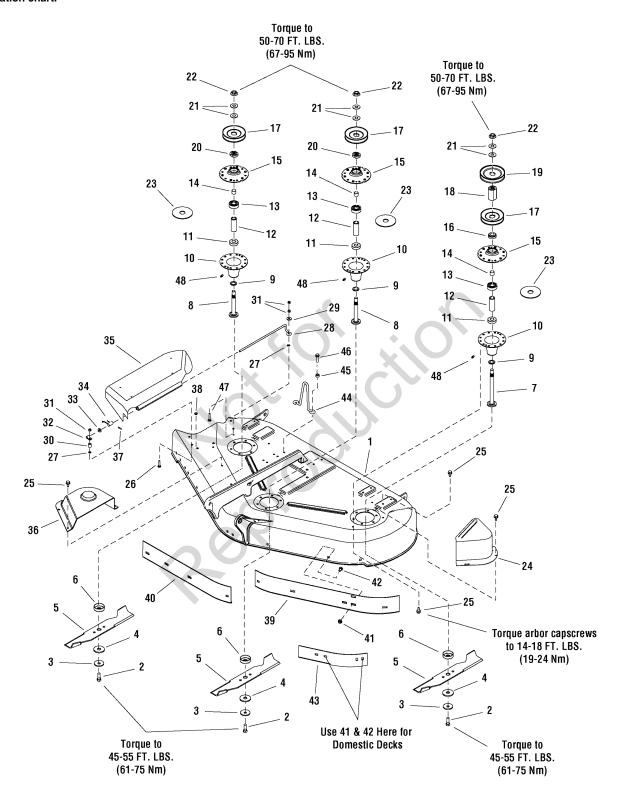


The above parts group applies to the following Mfg. Nos.:

|        |            |      | J, Arbors & Blades Group                                    |  |  |  |  |  |  |
|--------|------------|------|---|--|--|--|--|--|--|
| REF NO | PART NO.   | QTY. |   |  |  |  |  |  |  |
| 1      | 1687325SM  | 1    | HOUSING ASSEMBLY, 50" (Orange)                              |  |  |  |  |  |  |
| 1      | 1687326SM  | 1    | HOUSING ASSEMBLY, 50" (Red)                                 |  |  |  |  |  |  |
| 2      | 2823471SM  | 3    | APSCREW, Hex Head 7/16-14 x 1-1/4 G8                        |  |  |  |  |  |  |
| 3      | 1656916SM  | 3    | ASHER, Spring   |  |  |  |  |  |  |
| 4      | 1713089SM  | 3    | SHER, Hex, 11/16 x 2  |  |  |  |  |  |  |
| 5      | 1708229ASM | 3    | BLADE, Mower 50"  |  |  |  |  |  |  |
| 6      | 1713196SM  | 3    | SHIELD, Grass Lower Arbor Heat Treat                        |  |  |  |  |  |  |
| 7      | 1713612SM  | 1    | SHAFT, Arbor  |  |  |  |  |  |  |
| 8      | 1713195SM  | 2    | SHAFT, Arbor  |  |  |  |  |  |  |
| 9      | 1713619SM  | 3    | WASHER, Cup   |  |  |  |  |  |  |
| 10     | 1713338ASM | 3    | HOUSING, Arbor Bottom w/Lube Fitting (Includes Ref. No. 48) |  |  |  |  |  |  |
| 11     | 1705897SM  | 3    | BEARING, Ball, 11/16 x 1-9/16 x 15/32                       |  |  |  |  |  |  |
| 12     | 1732544SM  | 3    | SPACER, Powdered Metal                                      |  |  |  |  |  |  |
| 13     | 2108202SM  | 3    | BEARING, Ball   |  |  |  |  |  |  |
| 14     | 1715724SM  | 3    | SPACER, 21/32 x 3/4 x 5/8                                   |  |  |  |  |  |  |
| 15     | 1655729ASM | 3    | HOUSING, Arbor Top  |  |  |  |  |  |  |
| 16     | 1713533SM  | 1    | HUB, Powdered Metal   |  |  |  |  |  |  |
| 17     | 1713098SM  | 3    | PULLEY  |  |  |  |  |  |  |
| 18     | 1713158SM  | 1    | HUB, Serated Powdered Metal                                 |  |  |  |  |  |  |
| 19     | 1732951SM  | 1    | PULLEY  |  |  |  |  |  |  |
| 20     | 1713197SM  | 2    | HUB, Pulley, Center & R.H.                                  |  |  |  |  |  |  |
| 21     | 1713675SM  | 6    | WASHER, Bellville   |  |  |  |  |  |  |
| 22     | 1714419SM  | 3    | NUT, Hex Flange 9/16-18                                     |  |  |  |  |  |  |
| 23     | 1707335SM  | 3    | GASKET, Foam Poly   |  |  |  |  |  |  |
| 24     | 1720560ASM | 1    | COVER, Arbor  |  |  |  |  |  |  |
| 25     | 1664847SM  | 27   | SCREW, Hex Washer Head Taptite 5/16-18 x 3/4                |  |  |  |  |  |  |
| 26     | 1931320SM  | 2    | CARRIAGE BOLT, 1/4-20 x 1-1/4 G5                            |  |  |  |  |  |  |
| 27     | 1960518SM  | 2    | NUT, Push for 1/4 Diameter Thread                           |  |  |  |  |  |  |
| 28     | 1706709SM  | 1    | ROD, Deflector E-Coat                                       |  |  |  |  |  |  |
| 29     | 1960353SM  | 1    | WASHER  |  |  |  |  |  |  |
| 30     | 1710703SM  | 2    | SPACER, Powdered Metal                                      |  |  |  |  |  |  |
| 31     | 1920397SM  | 2    | NUT, Hex Lock ESNA Light 1/4-20                             |  |  |  |  |  |  |
| 32     | 1704873SM  | 1    | CLAMP, Wire   |  |  |  |  |  |  |
| 33     | 1919326SM  | 1    | WASHER, 5/16  |  |  |  |  |  |  |
| 34     | 7101082SM  | 1    | SPRING, Torsion Chute                                       |  |  |  |  |  |  |
| 35     | 1705449SM  | 1    | DEFLECTOR   |  |  |  |  |  |  |
| 36     | 1715673SM  | 1    | COVER, Arbor  |  |  |  |  |  |  |
| 37     | 1723323SM  | 1    | CAP   |  |  |  |  |  |  |
| 38     | 1705115SM  | 1    | PLUG, Button  |  |  |  |  |  |  |
| 39     | 1716870ASM | 1    | BAFFLE, Blowout 50" L.H. (CE/Export)                        |  |  |  |  |  |  |
| 40     | 1735184ASM | 1    | BAFFLE, Blowout 50" R.H. (CE/Export)                        |  |  |  |  |  |  |
| 41     | 1927557SM  | 2/11 | NUT, Hex Flange 5/16-18 Whiz Lock Large                     |  |  |  |  |  |  |
| 42     | 1921333SM  |      | CAPSCREW, Hex Head 5/16-18 x 1 G5                           |  |  |  |  |  |  |
|        |            |      |   |  |  |  |  |  |  |

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



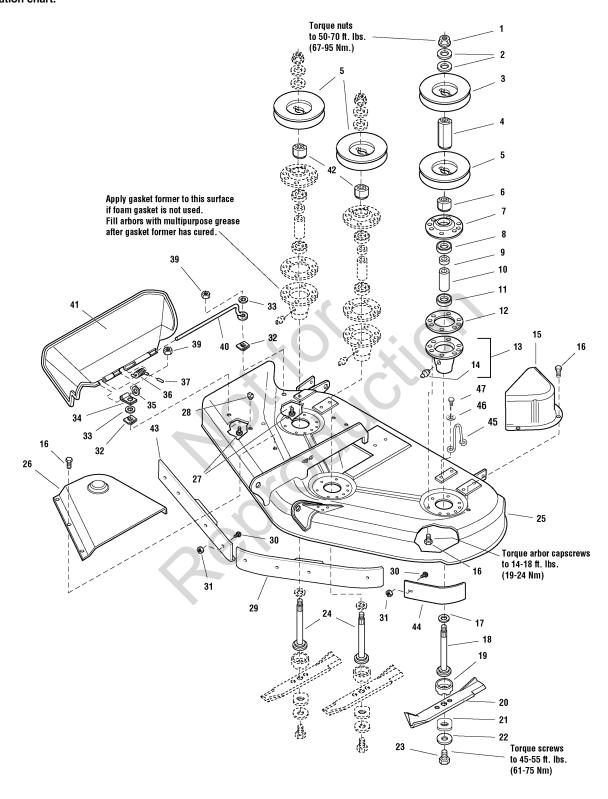
The above parts group applies to the following Mfg. Nos.:

| REF NO | PART NO.   | QTY. | DESCRIPTION   |
|--------|------------|------|---|
| 43     | 1724538ASM | 1    | BAFFLE, Blowout (Domestic)                                |
| 44     | 1704098SM  | 1    | UPSTOP (Only used on Broadmoor Series)                    |
| 45     | 1611705SM  | 2    | SPACER (Only used on Broadmoor Series)                    |
| 46     | 1931202SM  | 2    | SCREW, Hex Washer Taptite (Only used on Broadmoor Series) |
| 47     | 1960633SM  | 2    | CARRIAGE BOLT, 1/4-20 x 1-1/2 G5                          |
| 48     | 1704314SM  | 3    | FITTING, Grease, 1/4 Drive                                |



#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

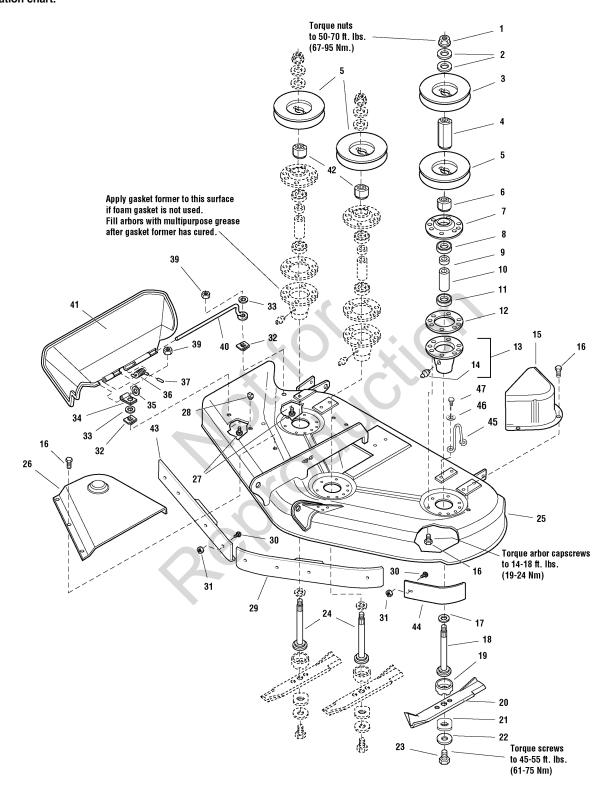


The above parts group applies to the following Mfg. Nos.:

| DEF NO. DADT NO. OTV. DECORPTION |            |      |  |  |  |  |  |  |
|----------------------------------|------------|------|--|--|--|--|--|--|
| REF NO                           | PART NO.   | QTY. | DESCRIPTION AND ADDRESS OF THE PROPERTY OF THE |  |  |  |  |  |
| 1                                | 1714419SM  | 3    | NUT, Hex Flange, 9/16-18   |  |  |  |  |  |
| 2                                | 1713675SM  | 6    | VASHER, Bellevilled, 9/16  |  |  |  |  |  |
| 3                                | 1713161SM  | 1    | PULLEY   |  |  |  |  |  |
| 4                                | 1713158SM  | 1    | JB, Double Pulley  |  |  |  |  |  |
| 5                                | 1713098SM  | 3    | LLEY   |  |  |  |  |  |
| 6                                | 1713533SM  | 1    | HUB, Double Pulley   |  |  |  |  |  |
| 7                                | 1655729ASM | 3    | COVER, Arbor Housing   |  |  |  |  |  |
| 8                                | 2108202SM  | 3    | BEARING, Ball, 3/4 x 1-3/4 x 5/8   |  |  |  |  |  |
| 9                                | 1715724SM  | 3    | SPACER, 21/32 x 3/4 x 5/8  |  |  |  |  |  |
| 10                               | 1732544SM  | 3    | SPACER, 11/16 x 5/32 x 2-11/16   |  |  |  |  |  |
| 11                               | 1705897SM  | 3    | BEARING, Ball, 11/16 x 1-9/16 x 15/32  |  |  |  |  |  |
| 12                               | 1707335SM  | 3    | GASKET, Foam   |  |  |  |  |  |
| 13                               | 1713338ASM | 3    | HOUSING ASSEMBLY, Arbor Bottom, w/Lube Fitting (Includes Ref. No. 14)  |  |  |  |  |  |
| 14                               | 1704314SM  | 3    | FITTING, Grease  |  |  |  |  |  |
| 15                               | 1720560ASM | 1    | COVER, Arbor   |  |  |  |  |  |
| 16                               | 1664847SM  | 26   | CAPSCREW, Hex Head Taptite, 5/16-18 x 3/4  |  |  |  |  |  |
| 17                               | 1713619SM  | 3    | WASHER, Bellevilled, 9/16, Black   |  |  |  |  |  |
| 18                               | 1713612SM  | 1    | SHAFT, Arbor (LH)  |  |  |  |  |  |
| 19                               | 1713196SM  | 3    | SHIELD, Grass, Lower   |  |  |  |  |  |
| 20                               | 1708229ASM | 3    | BLADE, Mower, 18-1/8   |  |  |  |  |  |
| 21                               | 1713089SM  | 3    | WASHER, Hex, 11/16 x 2   |  |  |  |  |  |
| 22                               | 1656916SM  | 3    | WASHER, Spring 15/32, Black  |  |  |  |  |  |
| 23                               | 2823471SM  | 3    | CAPSCREW, Hex Head, 7/16-14 x 1  |  |  |  |  |  |
| 24                               | 1713195SM  | 2    | SHAFT, Arbor (Center & RH)   |  |  |  |  |  |
| 25                               | 1685495SM  | 1    | MOWER HOUSING ASSEMBLY, 50" Mower (Orange)   |  |  |  |  |  |
| 25                               | 1687155SM  | 1    | MOWER HOUSING ASSEMBLY, 50" Mower (Red)  |  |  |  |  |  |
| 26                               | 1715673SM  | 1    | COVER, Arbor   |  |  |  |  |  |
| 27                               | 1931318SM  | 2    | CARRIAGE BOLT, 1/4-20 x 7/8  |  |  |  |  |  |
| 28                               | 1705115SM  | 1    | PLUG, Hole   |  |  |  |  |  |
| 29                               | 1716870ASM | 1    | BAFFLE, Anti-Blowout, LH (CE/Export)   |  |  |  |  |  |
| 30                               | 1931333SM  | 2/11 | CARRIAGE BOLT, 5/16-18 x 3/4   |  |  |  |  |  |
| 31                               | 1927557SM  | 2/11 | NUT, Hex, Whizlock, 5/16-18  |  |  |  |  |  |
| 32                               | 1960518SM  | 2    | NUT, Push  |  |  |  |  |  |
| 33                               | 1960353SM  | 2    | WASHER, 1/4, Black   |  |  |  |  |  |
| 34                               | 1704873SM  | 1    | CLAMP  |  |  |  |  |  |
| 35                               | 1919326SM  | 1    | WASHER, 5/16, Black  |  |  |  |  |  |
| 36                               | 7101082SM  | 1    | SPRING   |  |  |  |  |  |
| 37                               | 1723323SM  | 1    | CAP, Spring End  |  |  |  |  |  |
| 39                               | 1920397SM  | 2    | NUT, Hex, 1/4-20 ESNA  |  |  |  |  |  |
| 40                               | 1706709SM  | 1    | ROD, Deflector, Front  |  |  |  |  |  |
| 41                               | 1705449SM  | 1    | DEFLECTOR, Plastic   |  |  |  |  |  |
| 42                               | 1713197SM  | 2    | HUB, Pulley, Center & RH   |  |  |  |  |  |
| 43                               | 1716869ASM | 1    | BAFFLE, Anti-Blowout, RH (CE/Export)   |  |  |  |  |  |
| .5                               |            | •    |  |  |  |  |  |  |

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



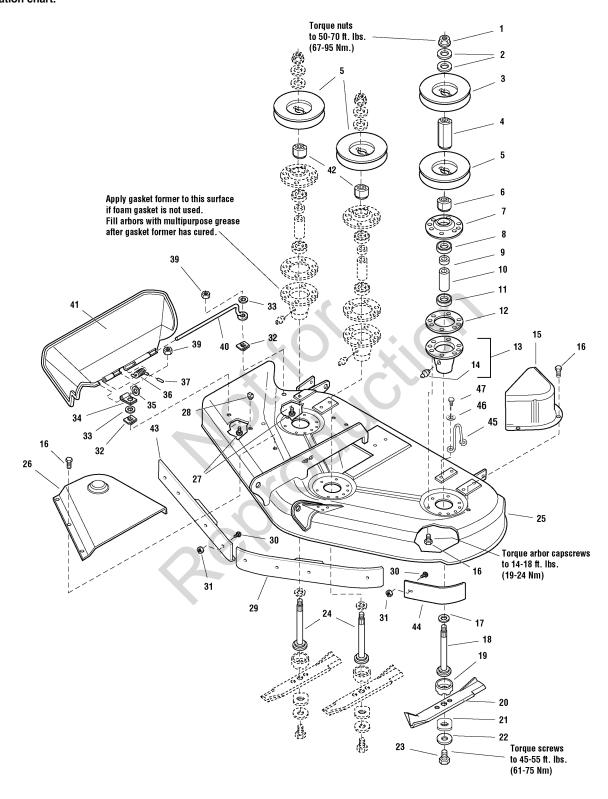
The above parts group applies to the following Mfg. Nos.:

| REF NO | PART NO. QTY. | DESCRIPTION |
|--------|---------------|-------------|
| 45     | 1719929SM 1   | UPSTOP      |



#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



The above parts group applies to the following Mfg. Nos.:

| REF NO | PART NO.   | QTY. | DESCRIPTION                     |
|--------|------------|------|---------------------------------|
| 44     | 1724538ASM | 1    | BAFFLE, Anit-Blowout            |
| 46     | 1924940SM  | 2    | WASHER                          |
| 47     | 1960541SM  | 1    | CAPSCREW, Taptite 5/16-18 x 3/4 |

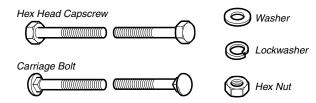


#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

## **Hardware Identification & Torque Specifications**

#### **Common Hardware Types**

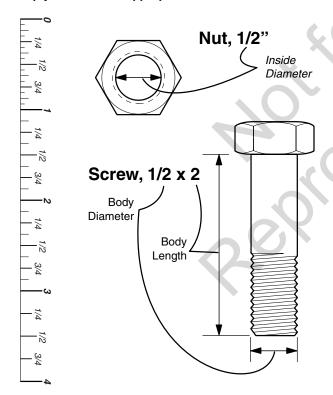


#### Standard Hardware Sizing

When a washer or nut is identified as 1/2", this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represent the *threads per inch* 

When bolt or capscrew is identified as 1/2 - 16 x 2", this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



## **Torque Specification Chart**

FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

| Hardware<br>Grade   | No Marks  SAE Grade 2 |       | SAE Grade 5      |       | SAE Grade 8      |         |
|---------------------|-----------------------|-------|------------------|-------|------------------|---------|
| Size Of<br>Hardware | in/lbs<br>ft/lbs      | Nm.   | in/lbs<br>ft/lbs | Nm.   | in/lbs<br>ft/lbs | Nm.     |
| 8-32                | 19                    | 2.1   | 30               | 3.4   | 41               | 4.6     |
| 8-36                | 20                    | 2.3   | 31               | 3.5   | 43               | 4.9     |
| 10-24               | 27                    | 3.1   | 43               | 4.9   | 60               | 6.8     |
| 10-32               | 31                    | 3.5   | 49               | 5.5   | 68               | 7.7     |
| 1/4-20              | 66                    | 7.6   | 8                | 10.9  | 12               | 16.3    |
| 1/4-28              | 76                    | 8.6   | 10               | 13.6  | 14               | 19.0    |
| 5/16-18             | 11                    | 15.0  | 17               | 23.1  | 25               | 34.0    |
| 5/16-24             | 12                    | 16.3  | 19               | 25.8  | 27               | 34.0    |
| 3/8-16              | 20                    | 27.2  | 30               | 40.8  | 45               | 61.2    |
| 3/8-24              | 23                    | 31.3  | 35               | 47.6  | 50               | 68.0    |
| 7/16-14             | 30                    | 40.8  | 50               | 68.0  | 70               | 95.2    |
| 7/16-20             | 35                    | 47.6  | 55               | 74.8  | 80               | 108.8   |
| 1/2-13              | 50                    | 68.0  | 75               | 102.0 | 110              | 149.6   |
| 1/2-20              | 55                    | 74.8  | 90               | 122.4 | 120              | 163.2   |
| 9/16-12             | 65                    | 88.4  | 110              | 149.6 | 150              | 204.0   |
| 9/16-18             | 75                    | 102.0 | 120              | 163.2 | 170              | 231.2   |
| 5/8-11              | 90                    | 122.4 | 150              | 204.0 | 220              | 299.2   |
| 5/8-18              | 100                   | 136   | 180              | 244.8 | 240              | 326.4   |
| 3/4-10              | 160                   | 217.6 | 260              | 353.6 | 386              | 525.0   |
| 3/4-16              | 180                   | 244.8 | 300              | 408.0 | 420              | 571.2   |
| 7/8-9               | 140                   | 190.4 | 400              | 544.0 | 600              | 816.0   |
| 7/8-14              | 155                   | 210.8 | 440              | 598.4 | 660              | 897.6   |
| 1-8                 | 220                   | 299.2 | 580              | 788.8 | 900              | 1,244.0 |
| 1-12                | 240                   | 326.4 | 640              | 870.4 | 1,000            | 1,360.0 |

#### **NOTES**

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- 2. Recommended seating torque values for locknuts:
  - a. for prevailing torque locknuts use 65% of grade 5 torques.
  - for flange whizlock nuts and screws use 135% of grade 5 torques.
- 3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

#### **Wrench & Fastener Size Guide**



1/4" Bolt or Nut Wrench—7/16"



5/16" Bolt or Nut Wrench—1/2"



3/8" Bolt or Nut Wrench—9/16"



7/16" Bolt or Nut Wrench (Bolt)—5/8" Wrench (Nut)—11/16"



1/2" Bolt or Nut Wrench—3/4"





MANUFACTURING, INC. 500 N. Spring Street / PO Box 997 Port Washington, WI 53074-0997 USA

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